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Contract

Data Base Documentation Book for OC-ALC/MATPCC Unit)

McDonnell Douglas Missile Systems Company

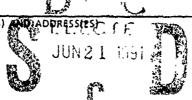
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McDonnell Douglas Missile Systems Company St. Louis, Missouri 63166 8. PERFORMING ORGANIZATION REPORT NUMBER

F33600-88-D-0567

9 SPONSORING/MONITORING AGENCY NAME(S)

HQ AFLC/LGME WPAFB OH 45433



10. SPONSORING / MONITORING AGENCY REPORT NUMBER

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13 ABSTRACT (Maximum 200 words)

Technology Insertion (TI)/Industrial Process Improvement (IPI) Data Base Documentation Book Volume, for OC-ALC/MATPCC (Electromechanical Unit). This document contains detailed information about layouts equipment and processes for this RCC.

14. SUBJECT TERMS MAINTENANCE, TECHNOLOGY INSERTION, 15. NUMBER OF PAGES 269 ELECTROMECHANICAL, MATPCC, EQUIPMENT, DATABASE, 16. PRICE CODE 17. SECURITY CLASSIFICATION 20. LIMITATION OF ABSTRACT 18. SECURITY CLASSIFICATION 19. SECURITY CLASSIFICATION OF REPORT OF THIS PAGE OF ABSTRACT Unclassified Unclassified Unclassified Unclassified

 Standard Form 198 (Fav. 1-89)

TECHNOLOGY INSERTION-ENGINEERING SERVICES PROCESS CHARACTERIZATION TASK ORDER NO. 1 (BLOCK II)

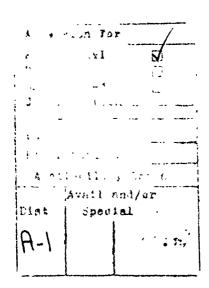
DATABASE DOCUMENTATION BOOK

OC-ALC

MATPCC

CONTRACT SUMMARY REPORT 11 SEPTEMBER 1989

CONTRACT NO. F33600-88-D-0567 **CDRL SEQUENCE NO. B008**









McDonnell Douglas Missile Systems Company St. Louis, Missouri 63166-0516 (314) 232-0232





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91-02851

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1.0 IDENTIFICATION OF RCC

RCC MATPLehas been identified by the SOW of Contract F33600-88-D-0567 for Process Characterization.

0040/15

 $N_{i,s}$

ASSESSMENT

The MATPICA is crowded but sufficient for the work performed. The actuator repair area has several more work stations than currently needed. A large amount of work-in-process (as much as two weeks worth of work) is stored in racks, awaiting repair. The small size of the parts however, keeps this from being a serious floorspace problem.

The lighting is dim but most work stations are equipped with individual flourescent lights which allieviste the problem at that station. The bulk of the equipment and fixtures are painted a drub gray or tan. The whole place could use a new coat of paint.

All material hundling within the RCC is by front carry or the use of just carry or the conveyors of sound morning apulpment. Pick-up of completed parts is sentenment of by the material hundling personnel such pick the parts off the less leaded on the outside aisless

supplies and seldom used test equipment are stored on racks and shelves scattered around the area. The arrangement appeareds haphazand but the operators report no problems, the generally high level of seniority among the operators means that everyone knows where everything is kept.

Operation have a great deal of control over their processes.

They pick the parts from the shelves and perform all the required repair actions with a minimum of supervision. When parts must be sent to another RCC the operators carry their parts to the other location without schooling or logging the ports cut of MATPCC. Each operator remembers what parts helshe has in other areas. No reciapts are issued and part ownership accountability is quastionable.

Inspection /QC responsibilities rest with the operator who performs the repair work.

The tools and test equipment used are generally old but well-maintained and servicable. Supervisors report very few outages on the test stands. Equipment is culibrated to the NPME program but supervisors express some dissutisfaction with the a quality of the calibration on some test stands. One serve assembly which is repaired and culibrated in MATPCC frequently tails when installed in the next histor assembly in another RCC. These situations appear to be very rare licurery as the number of repaired items which are rejected by other RCCS (or field units) is extremely low.

A significant problem reported by virtually every operator is the number of unsurvivable now parts they receive from supply, MATPCC does no receiving inspection and an unsurvible of part is not found until an operator uses it in a repair operation. The paperwork required to reject a port and the lead time to obtain a sixtissoment part are such that operators frequently refair rework bad tems rather than reject thom. There is currently a large "hidden fuctory" repairing rundor parts in MATPCC. The RCCs management is aware of the problem but not its extent the cockfone has been doing this for so long that they do not see it as a problem. The a workfore has developed several excellent procedures for requiring items that should be accept ascellent procedures for requiring items that should be avoid that problem of bad replacements. This willingness to accept problem throughout the ALC and is addressed elsewhere as a recommendation for a focus study. If the vecipients of parts required by MATPCC are fullowing the general principle of reworking goor quality rather than rejections it, there may be quality problems within MATPCC that have not been identified.

The overall appearance of the MATPCL equation is of an correction running in well-worn groves. The workers and supervisors have all been here for many years, with little change in processes or equipment. Most procedures are un documented (or the documentation is obsolete) because everyone has so much experience that they don't feel they need to use maintain written procedures. Very little attention is paid to gathering reliable data on processes, quality, productivity, etc. which makes improvements difficult to develop or justify. The morale of the workers appears high and most people (supervisory and non-supervisory) report that they think the RCL is doing a good job. Operators take real pride in their work and are keenly aware that they have final responsibility for the quality of their products.

P3/3

2.0 GENERAL INFORMATION

MAT PCC IS A RESOURCE BNIROL CENTER

WITHIN THE ACCESSORIES DIVISION AT

OC SAM-ALC. MATPCC IS LOCATED IN

BLDG 3001. THE PRIMARY WORKLOAD

IS MISTR, CONSISTING OF ELECTRO
MECHANICAL UNITS SUCH AS ACTUATORS,

FUEL FLOW TRANSMITTERS, CLUTCH PACTS,

TORQUE MOTOPS, CABLE & HARNESS

ASSEMBLIES.

THE WORK LOAD HAS VARIED IN THE PAST
TWO OR THREE YEARS. UP TO 15% OF THE MANFOWER
HAS BEEN LOANEDOUT PART OF THE TIME.

TO ANOTHER REC AT SOME TIME.

DATA DOCUMENTATION BOOK

2.1 FACILITY LAYOUT DRAWINGS

The layout drawings do not reflect the current layout of MATPCC. The layout will be changed again in three months as the RCC restructures its organization to accept additional personnel and KC-135 cable workload. Up-to-date drawings were not provided to MDMSC. The layouts provided by the ALC are included in the Database Documentation Book.

2.2 EQUIPMENT

MATPCC's equipment consists primarily of test stands and other testing instruments. Most of them have been in use for 15 to 25 years, but they are still reliable. The first MATPCC test stands in Building 3108 used to test fuel flow transmitters are scheduled for replacement by two new test stands. The operator stated that the new equipment will be safer and more efficient. Readouts will be digital, eliminating judgement calls by operators reading analog gages. It will be simpler to install the parts on the test stands and to adapt the test stands to the different part configurations. Additional safety features will be included as well. The painting, sandblasting, and magnetic particle/fluorescent penetrant processes are conducted as back shop operations outside of MATPCC. A listing of equipment for MATPCC can be found in the Data Collection section of the book.

2.3 WORK FORCE

The work force in MATPCC has experienced a 15% variance over the last two years due to fluctuations in workload. Excess personnel are loaned to other areas. The new harness workload planned for September 1989 will require 50 to 60 additional operators. The new work will be organized to allow the use of personnel with lower skill levels. An effort is being made to design some of these positions to allow them to be filled by handicapped workers.

The 1989 work force consists of one unit chief, four supervisors and the following:

Skill Code	Skill Level	Quantity	Yrs of Avg. Exp.
AY	WG-10	5	15 to 25
	WG-09	11	12 to 25
BY	WG-10	9	15 to 25
	WG-09	3	12 to 25
	WG-08	4	8 to 15
	WG-06	1	5 yrs.
СТ	WG-09	15	12 to 25
DY	WG-10	4	15 to 25
	WG-09	8	12 to 25
	WG-07	3	8 to 15

The operators have been actively involved in the Air Force suggestion programs and show a strong desire to improve the quality and productivity of their work. One operator suggestion saved a quarter of a million dollars. No overtime was worked in 1988.



FY 89 DE-ALC RCC PATES DATE: 13-Mar-89 FILE: DCRATE

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MATPAT	19.71	9.00	0.00	1.23	16.55	5.19	42.58	42.43
MATPEA	18.17	39.11	0.00	2.54	14.53	5.19	79.54	40.33
HATPCS	14.76	81.85	0.00	1.87	14.57	5.17	129.45	13.61
MATPCC	. 17.87	47.10	. 0.00	1.29	9.92	5.15	63.Je	34.26
MATPCD	17. 3 6	45.43	0.99	1.50	15.75	5.19	85.83	49.40
MATPEN	17.16	0.00	0.00	1.19	13.51	5.19	37.35	37.05
MATPFA	18.33	11.92	0.00	1.36	13.92	5.19	50.72	33.30
HATPFE	18.31	12.21	0.00	1.27	11.85	5.19	48.53	36.62
HATPFF	18.42	19.74	0.00	1.28	18.44	5.:7	53.05	43.31
MATPHA	18.72	53.16	0.40	1.84	13.35	5.17	92.55	37.16
Hatehb	18.27	199.30	6.30	1.94	12.45	5.17	138.:7	38.37
NATPHE	17.51	0.00	C.00	1.84	13.38	5.17	37.52	37.92
MATPIA	13.13	35.55	0.00	2.61	14.59	5.19	76.47	40.92
MATPIN	18.90	5.79	0.66	3.68	16.15	5.17	47.11	43.32
MATPIN	21.17	1.30	0.00	2,44	23.07	5.19	53.17	51.07
MATFIN	19.28	39.56	0.00	3,47	14.19	5.17	81.57	42.13

2.4 REPAIR PROCESS TECHNOLOGIES

The repair process in MATPCC is relatively unsophisticated. The units are disassembled, repaired, and reassembled using hand tools. Meters, gages, and test equipment are available and required for successfully repairing the units, but the operator must be able to translate the readings into repair or adjustment techniques. Operator knowledge is the most important ingredient in the RCC's process as WCDs are frequently obsolete or difficult to interpret.

In the fuel flow transmitter subshop, the operators repair their units one at a time. The part is pretested on the bench to get some idea of the problem, then disassembled to the extent to which the operator judges. The parts are cleaned by hand and repaired or replaced depending on the condition of the part and the technical order. Specified parts must be replaced, not repaired. The level flow transmission contains a motor and syncro unit.

Work in actuator and servo shops is similarly tested, disassembled, and cleaned, but most units also involve electrical switches in addition to electric motors and other mechanical parts.

The electrical subshop repairs cables and electrical instruments. They also build cables and harnesses.

2.5 WORKLOAD VOLUME AND MIX

Workload consists of 75% MISTR, 15% routed, and 10% temporary and manufacturing. MISTR items are received from both routing and supply. Routed items are parts removed from engines, aircraft, etc. which are routed directly to the required RCC, without passing through supply. These are repaired as MISTR, then returned to the originating RCC.

MATPCC has received a four year contract for 275,000 hours to make harnesses for KC-135 rewire. This will generate the need for 55 additional operators, more space, and a new layout. The % of workload per subunit is:

Electrical equipment 4.4%
Servo 19.1%
Fuel flow 36.0%
Actuator 40.3%

2.6 MATERIAL HANDLING

All material handling within MATPCC is by hand carry or push cart. There is no powered material handling equipment in the RCC. The parts handled are all small and require no special handling or packaging. Completed work is collected from pickup tables by material handlers. All other part movement in and out of the RCC is hand curried by RCC operators. The single most common material handling tool in the RCC is a WG-10 mechanic. This appears to reflect a general condition within the entire ALC and is discussed elsewhere in a focus study recommendation.

Outside the RCC area, units are picked up and delivered to the "barn" on a cart. This occurs every second week. The round trip distance is 880 feet. Parts are delivered and picked up daily at the paint shop on a cart. The round trip distance is 720 feet.

The second secon

2.7 STORAGE

Parts come from supply and are stored in the "barn" 1, a building 300 yards away from the RCC production area. Every two weeks each subunit sends one or two operators to the barn to uncrate and bring their units back to the shop, this takes about two hours. The units are placed on twelve $18" \times 36" \times 6'$ shelves in their subshop with the paper work, ready for operators to work.

Routed units are delivered to the correct subshop, then put on shelves. Upon completion, units are placed on out going shelves.

Storage is not a problem because of the small size of the units. Each subshop has a set of shelves. More could be added if required.

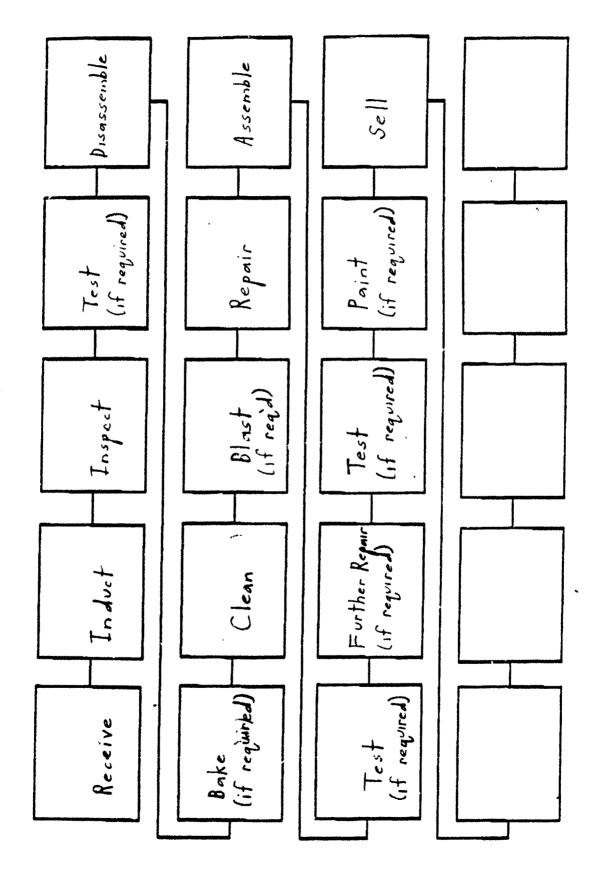
¹The "barn" is shared by several units. The MATPCC share of 2800 sq. ft. is approximately 467 sq. ft. Each unit uses whatever is available. There are 145 cabinets and shelves 18" x 36" x 6' on line for parts and tool storage.

2.8 Process Flow Charts

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OC-ALC MATPCC PROCESS FLOW FIGURE

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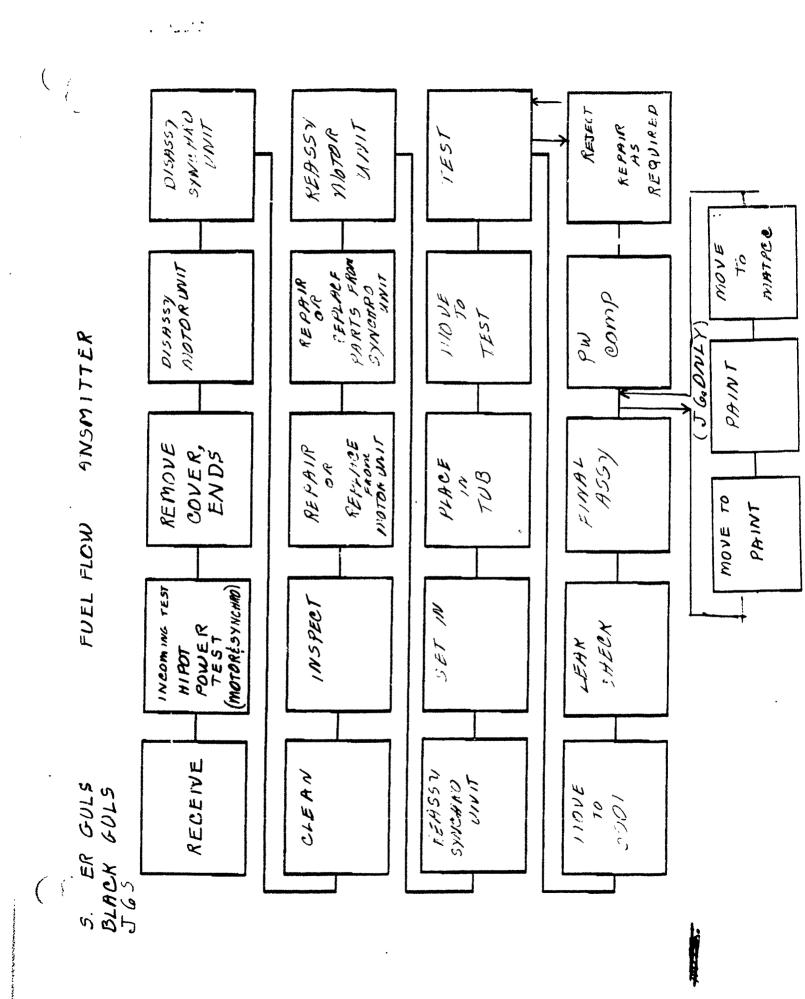
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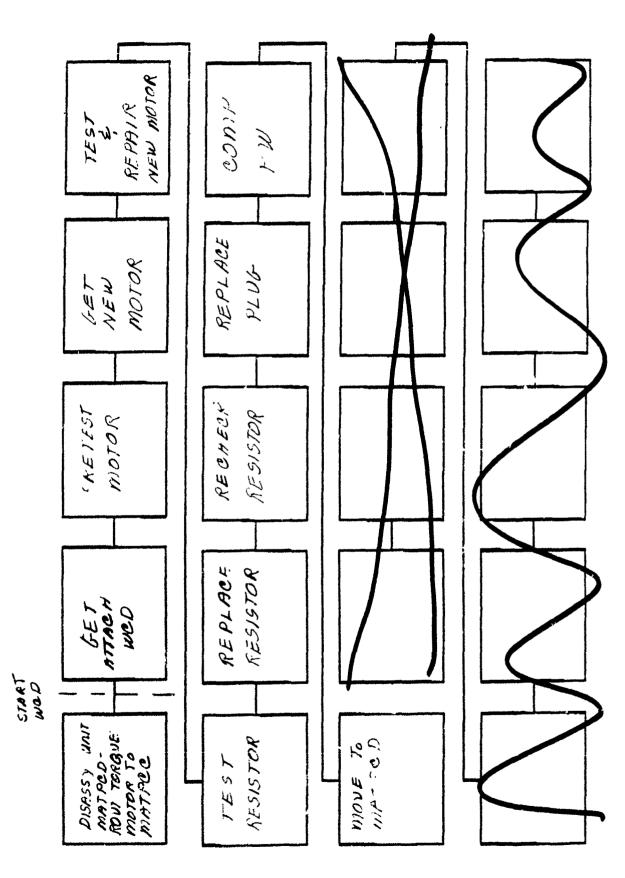
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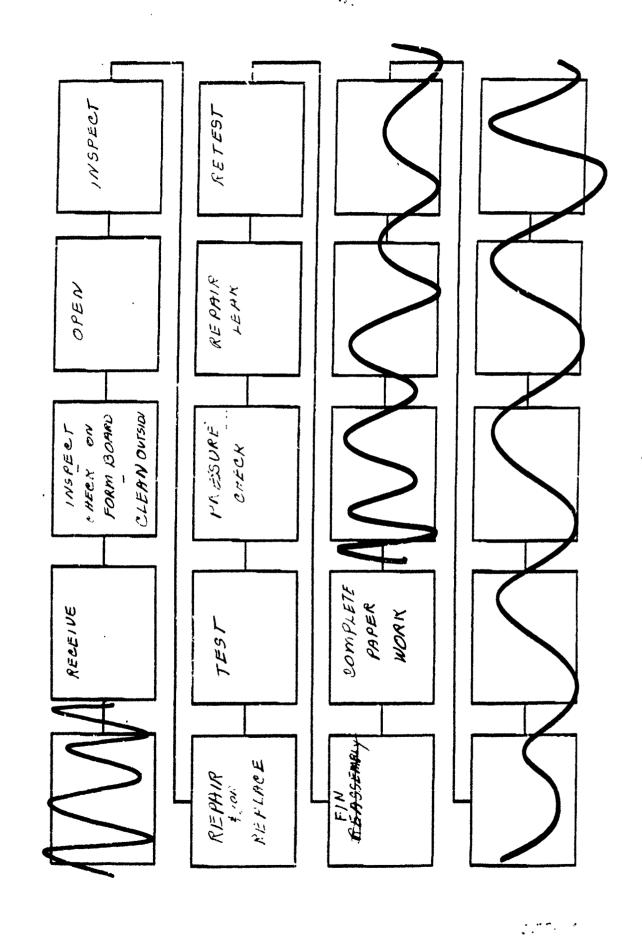
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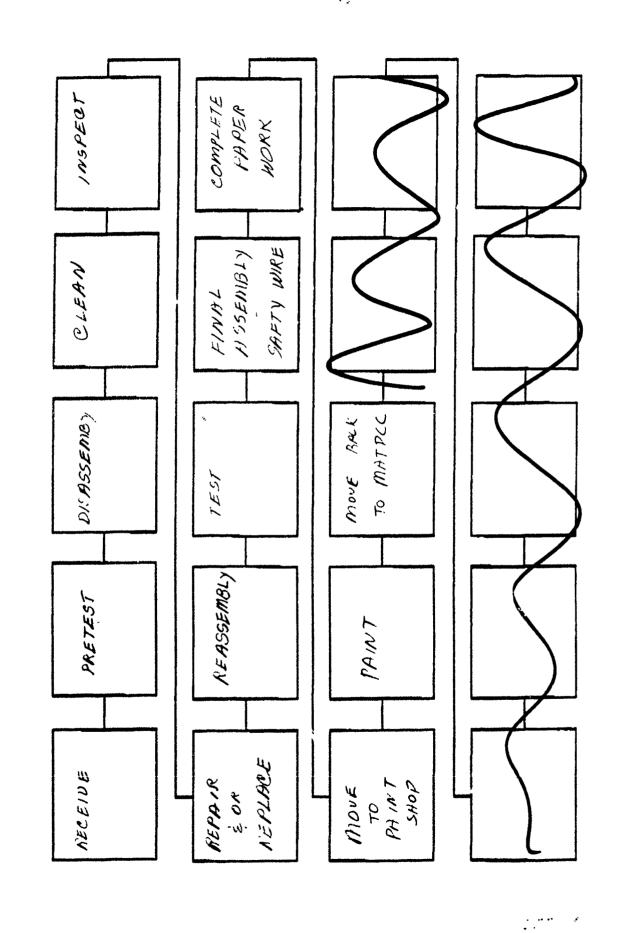
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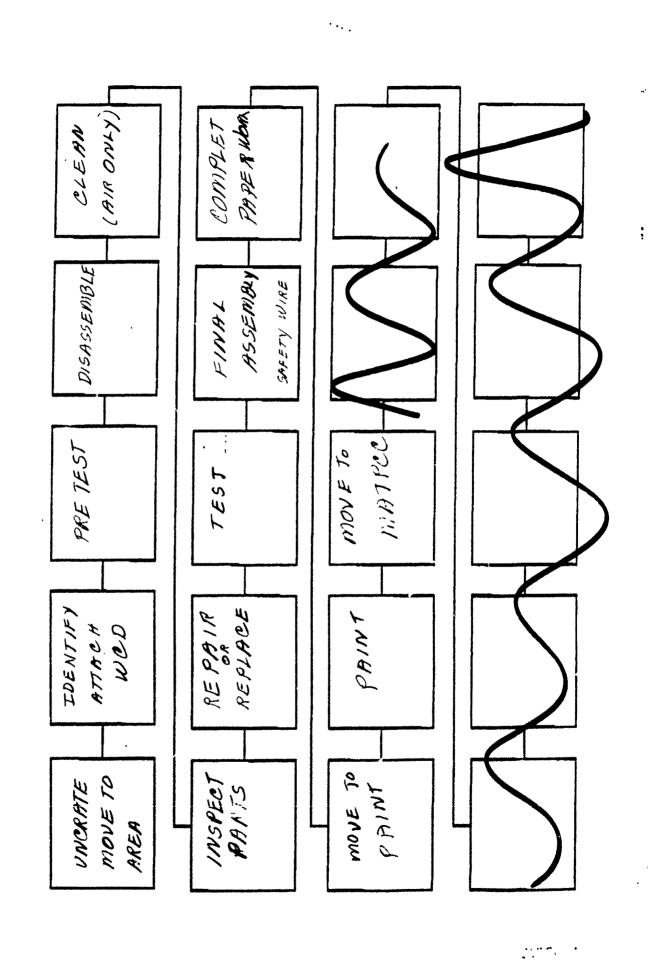
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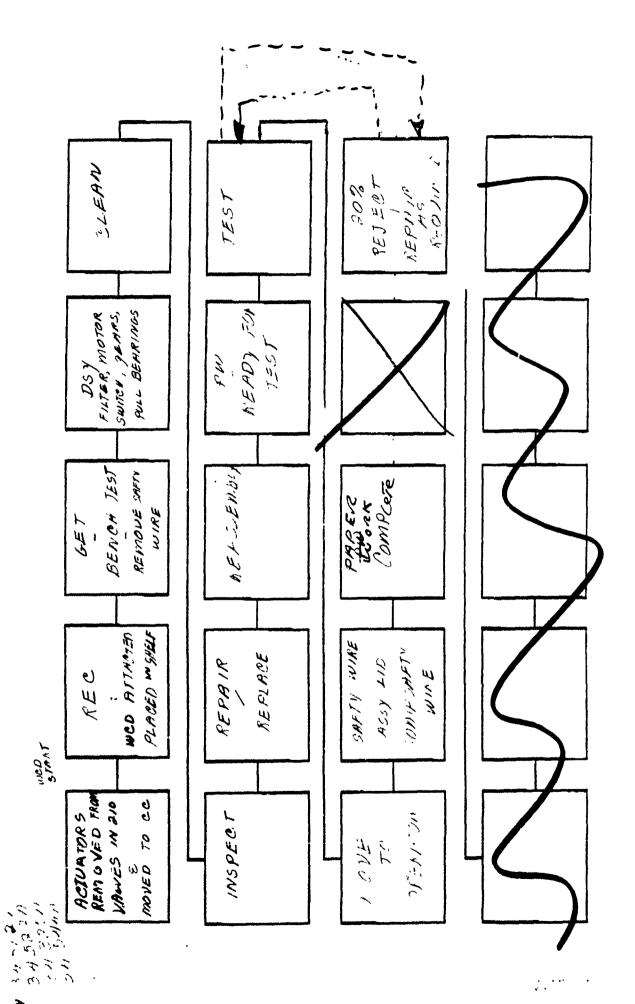
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3.0 80/20 WORKLOAD ANALYSIS

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The 80/20 workload was developed using data from the OC-ALC report listing the total negotiated workload for MATPCC. Note: PCNs 94201A, 94227A have been corrected to PCNs 34327A, 34522A. These units carried the PCN of the value when the actuator had a PCN different from the value. Forty-one PCNs that have been profiled, account for 80% of the total labor hours expended in MATPCC.

3.1 VALIDATION OF 80/20 ANALYSIS

- The total number of units scheduled multiplied by the standard for each PCN on the 80/20 list equals 49,048 hours.
- The total number of actual completions multiplied by the standard equals 50,508 hours.
- 49,049 hours compared to 50,508 hours studied, validates the fact that we studied 80% of the workload for MATPCC.

49,049 hours required by 80/20 analysis

50.058 studied

102% of requirement

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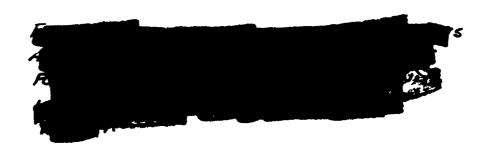
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A TOTAL OF NINE PROFILE DATA SHEET
WERE UTILIZED IN THE DATA GATHERING
PROCESS. THESE SHEETS ARE:

OPERTION PROFILE
EQUIPMENT PROFILE
MANPOWER PROFILE
MANPOWER FACTOR PROFILE
DISASSEMBLY/ ASSEMBLY PROFILE
IN-DATE PROFILE
OUT-DATE PROFILE
ENVELOPE PROFILE
WORK LOAD PROFILE



4.1 DATA COCCECTION PROCESS

EACH PEN ON THE BOIZO LIST WAS LISTED ON THE PESPECTIVE PROFILE SHRETS PRIOR TO GATHEINS THE DATA.

IN ABBITION, THE TYPE OF TEST BY OPERATION WAS EXTRACTED FROM THE WEDGS AND NOTED IN THE COMMENTS COLUMN ALONG WITH THE AIRCROFT NO.

THE Unit Supposed - D. Mc DANIEL WAS
CONGULTED AS TO WHICH TEST PRESONNEL
WERE MOST FAMILIAR WITH SPECIFIC PCN(S)

THE SELECTED MECHANIC WAS INTORVIEWED
IN DETAIL AS TO THE SEQUENCE OF OPERATIONS,
OCCURENCE FACTOR, NO. OF OPERATORS, THE
PROCESS HIRS. INCLUDING MIN .. MORN - MINK TIMES.
AND ITEM FLOW AND HANDLING.

THEIR WERE NO TRIANGULATION INSTANCES.

ADDITIONAL NOTES WERE PUT ON THE Profice SHEETS CONCERNING THE CORRELATION OF CEIL NO.(5) TO OC. NO(6), AMERICANT NO, SET UP PREQUENCY OFC.

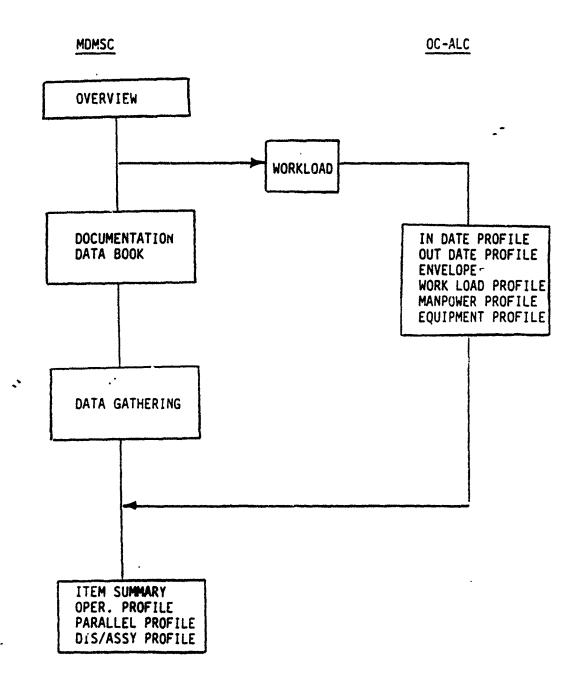
THREE WERE (6) PROFILES GENERATED BY ALC PRESONNEL AND RELIENCE / COMPLETED BY MOMSE EnginERRE.

THEY WERE:

ENUCLOPE PROFICE
WORK LUAD PROFICE
EQUIPMENT PROFICE
MAN POWER PROFICE
IN DATE PROFICE
OUT DATE PROFICE

13 APRIL 1989

TECHNOLOGY INSERTION PROGRAM - RESPONSIBILITIES



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_ 13.0 ADDITIONAL SUPPORT DATA

APPENDIX A - FO46B STANDARDS, 1988, 1989

APPENDIX B - EARNED HOURS REPORT,

[ROJECTED, 1988

APPENDIX C- ENVINEERING NOTES: POTENTIAL IMPROVEMENT OPPORTUNITIES

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5.1 PROFILE DATA FILES

The profile data files for RCC MATPCC were previously submitted under memo number NKE-E016-7605/REV. A, dated July 6, 1989/July 31, 1989.

5.2 MODEL INPUT FILES

The model input files for RCC MATPCC were previously submitted under memo number NKE-E016-7605/REV. A, dated July 6, 1989/July 31, 1989.

6.0 VALIDATION OF INPUT DATA

All profile data was validated in accordance with paragraph 7.2 and 7.3 of the Simulation Model Definition Document (SMDD). The profile data files included in this document were validated and accurately represent this RCC.

8.0 VALIDATION OF SIMULATION ANALYSIS

The validation of simulation analysis for RCC MATPCC was previously submitted under memo number NKE-E016-7605/REV. A, dated July 6, 1989/July 31, 1989.

9.0 BRAINSTORMING

The minutes for RCC MATPCC brainstorming were previously submitted under memo number NKE-E016-7605/REV. A, dated July 6, 1989/July 31, 1989.

MCDONNELL DOUGLAS

McC	onnell Douglas Missile Systems Company
CC ZSPON- INCE ACTION ITEM RESPONSE	31 July 1989 NKE-E016-7605 Revision A
G. L. Dowdy R. Downelly	Subject: Contract F33600-88-D-0567, Technology Insertion Engineering Services, Submittal of Revised Validation Minutes To: Department of the Air Force Attention: Ms. 1. Hoyt (PMRP) Contracting Officer Building 1, Area C Wright-Patterson AFB, OH 45433-5320
\longrightarrow	Enclosure: (1) Task Order 1, Process Characterization, Validation of RCCs MABPFF and MATPCC at OC-ALC, 26-27 June 1989
	1. For documentation purposes, McDonnell Missile Systems Company (MDMSC) herein submits revised Enclosure (1) validation minutes. The revision adds: (1) an explanation of why MDMSC did not use historical data for validation, (2) a listing of historical versus standard (GO19) hours, and (3) historical data to the output report for each RCC.
$\overline{}$	2. Please address any questions or requests for additional information to the undersigned at (314)233-8724.
	D.W. Engelbart D. W. Engelbart Senior Contracts Administrator Advanced Programs
AFTER FINAL SIGNATURE	EC: Department of the Air Force IC: F. Lauber * OC-ALC/NAWF D. Engelbart Attention: Nr. G. Leiterman Master Files Tinker AFB, OK 73145 Contract Files
RETURN TO: LETTER ENCLOSURE	Department of the Air Force * Bldg. 92 Dist. HQ AFLC/MAQF Attention: Mr. Doxie Cripe Building 262, Area A Wright-Patterson AFB, OH 45433-5320

PLACE V NEXT TO LADDER SIGNATURE IN PROPROPRIATE BOX

IF Y IS DESIRED

MDE 14-27-1 (1 JUL 87)

MASTER FILE

MEMO 31 Jul 89 TI-89-FJL-0219

Sub: TECHNOLOGY INSERTION-ENGINEERING SERVICES (TI-ES) TASK ORDER NO. 1, REVISION "A" TO VALIDATION MINUTES FOR OC-ALC

To: R. G. Bolanos, R. Donnelly, Jr., G. L. Dowdy, G. Fallo, C. J. Gonzales, M. S. McCoy, File

Encl: (1) Transmittal Letter NKE-E016-7605 Rev A, dtd 31 July 1989
(2) Task Order No. 1 Revised Validation Minutes for OC-ALC RCCs MABPFF and MATPCC all without Computer Flat Files

- 1. Encl (1) and (2) are provided as internal distribution.
- 2. If you have any questions or comments, please contact me.

F. J. Lauber

T.I. Program Administration E510/0922272, Sta. 925-5406

FJL:paw

OC/ALC

MATPCC

Intensive analysis of history data compiled from stamped WCDs indicates that this data is erroneous, and should not be used in validating the UDOS 2.0 model for this RCC.

Occasional alignment between historical and simulated flow times are purely coincidental.

It was observed during validation that the utilization of GO19C flow days was more realistic and more in line with the experiences of the ALC personnel who were part of the validation team.

The inaccuracy of the WCD history is directly related to:

- 1) System of WCD release:
 - a) Copies are batch-pulled on a bi-weekly basis and at times on a quarterly basis.
 - b) Block 5 date is actually the date printed and not the actual induction date.
- 2) WCD inconsistencies:
 - a) In many cases the WCDs do not depict the real world processing flow and actually produce backtracking of date due to incorrect operation sequences.
- 3) Recording inconsistencies:
 - a) Operations are all being stamped on the same date. Where there are flows through more than one operator, such as assy/check/assy, the date stamping is arbitrary at best.

Conclusion: It is the general opinion of ALC and MDMSC personnel on the validation team that the WCD history is of little value and should be disregarded.

ITEM	_6019*	HISTORICAL FLOWTIME HOURS
30011A	0.00	0.00
34055A	240.00	0.00
34103A	192.00	41.80
34327A	192.00	471.00
34510A	240.00	595.40
34512A	192.00	120.00
34522A	192.00	0.00
34544A	192.00	369.90
34549A	312.00 192.00	45.00 41.10
35096A	192.00	42.20
35097A 37649A	0.00	260.40
37730A	192.00	31.20
38664A	0.00	0.00
38666A	0.00	0.00
39602A	192.00	90.00
39706A	240.00	122.20
42089A	192.00	0.00
45362A	192.00	0.00
45387A	192.00	0.00
48371A	192.00	0.00
48451A	192.00	0.00
48561A	192.00	0.00
48563A	192.00	0.00
49582A	192.00	0.00
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61207A	192.00	0.00
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95104A	0.00	0.00
95106A	0.00	277.10
95111A	0.00	2388.50
95131A	0.00	260.80
95133A	0.00	2681.60
95188A	0.00	2622.00
95333A	0.00	272.00
96524A	0.00	45.50

*SEE NOTE IN MINUTES REGARDING ITEMS WITH NO VALUE FOR GO19.

MATPCC

28 June 89

I. INTRODUCTION

- 1. Gene Leiterman briefed UDOS/ Model, included:
 - A) Model Objectives
 - B) Validation Criteria
 - C) Data Collection / Model Operation
- 2. Ricardo Bolanos briefed problems with MATPCC included:
 - A) Lack of History Data/need to use standard flow times.
 - B) High variance between models average flow times and standard flow times.
- 3. Greg John briefed model Flat File organization and how to interpret the printouts.
- II. All model average flow times were at extreme variance with the standard flow times captured during RCC characterization. Rick Tison explained that the standard flow times were incorrect and provided a copy of the G019C report showing correct standard flow times. This reduced variance in some instances but not enough for acceptance.
- III. George Branson explained that the items shown here on list #1

 are not prime to MATPCC. This means that the standard flow time includes a great percentage of time not charged to MATPCC. He estimated that all these parts spent between 2 4 days in MATPCC.

All these items had modeled flow times of 2 - 4 days. These PCN'S were determined to be acceptable. PCN'S number 38664 and 38666 showed simulated flow times of 7.2 hours. This was identified as acceptable by George Branson (these PCN'S are normally completed in one shift).

IV. Considerable discussion took place regarding in times on the remaining PCN'S. George Branson explained that these parts are inducted in batches on a 2 week cycle. They are grouped by PCN and reparied by one mechanic. The parts may wait a week or longer before their first repair operation. It was determined that the current "in" time of 16 hours mandatory flow time should be increased to 96. MDMSC will make this change and conduct a new model run.

MATPCC 29 June 89

- I. All required changes to the data were made and a new model run performed. The addition of mandatory flow time of the "IN" operation produced large queues for many parts. This was alleiviated by distributing the "IN" flow time uniformly between 24 and 168 hours. This substantially reduced the variance across the remaining MISTR parts.
- II. The meeting was resumed at 13:00. Several items were accepted:
 - 1. George Banson identified PCN 34327 as a MISTR item (it was previously shown as a backshop item on list #1). When the appropriate "IN" flow time was added, the variance between

PCN LIST #1

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model and standard flow times was reduced to acceptability.

- 2. George Branson identified the backshop hours for PCN 34510 as excessive. When they were reduced to 48-72 hour, this item became acceptable.
- 3. Those PCN'S shown on list #2 were identified as "High Dollar" items. George Branson explained that these items are worked on a rigid schedule and could be expected to be completed ahead of the standard flow times. George requested that MDMSC reduce the "IN" flow time distribution by two days.
- III. Some errors were found in the Equipment Profile. MDMSC will correct these errors and conduct a new model run.

MATPCC

30 June 89

- I. All required changes were made and a new model run performed. All variances were examined by MATPCC supervisors and planners. All variances were considered acceptable.
- II. A Brainstorming session was conducted. The items on list #3 were accepted as suitable candidates for model experimentation. Mark Thornton accepted an action item to gather data on appropriate levels for each factor in a Taguchi Array.

MATPCC

28 June 89

NAME	ORGANIZATION	PHONE NUMBER
GREG GARDNER	MDMSC	62873
GUY FALLO	MDMSC	62873
RICK TISON	MATEFI	62647
MARK THORNTON	MATEE	62617
GENE LEITERMAN	MAWF	67981
HERMAN SEARCY	MATPCC	67481
GREG JOHN	MDMSC	(314) 925-5852
RICARDO BOLANOS	MDMSC	(314) 925-5840
GEORGE BRANSON	MATPCC	67481

29 June 89

NAME	ORGANIZATION	PHONE NUMBER
GREG GARDNER	MDMSC	62873
GREG JOHN	MDMSC	925-5852
GEORGE BRANSON	MATPCC	67481
MARK THORNTON	MATEE	65568
GUY FALLO	MDMSC	62873
RICARDO BOLANOS	MDMSC	925-5840

TASK ORDER 1 PROCESS CHARACTERIZATION VALIDATION MEETING MINUTES

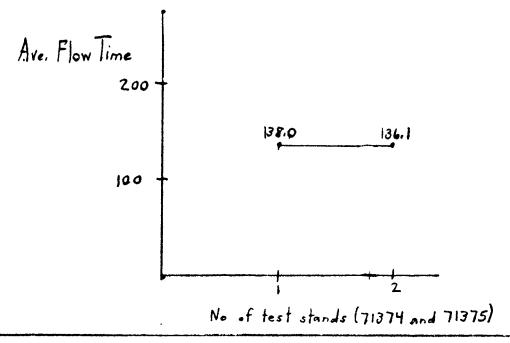
MATPCC

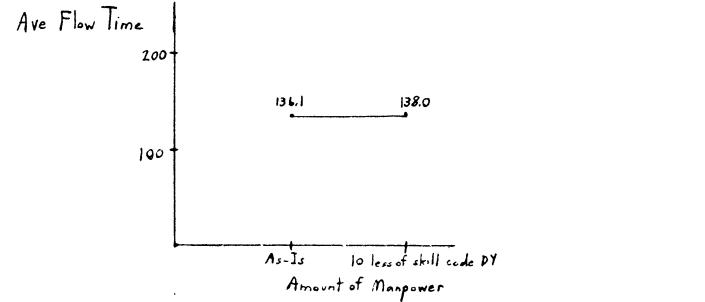
30 June 89

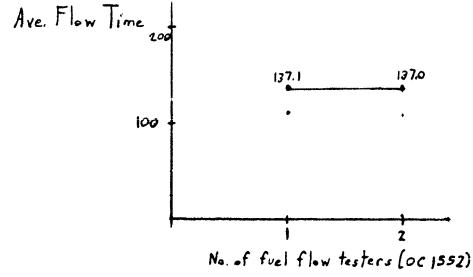
NAME	COMPANY	PHONE
RICARDO BOLANOS	MDMSC	(314) 925-5840
MARK THORNTON	MATEE	736-5568
RICK TISON	MATEFI	62647
HERMAN SEARCY	MATPCC	67588
JEREMIAH MURPHY	MATEAC	65920
GREG JOHN	MDMSC	(314) 925-5852
GREG GARDNER	MCMSC	62873
PAMELA HAWKINS	MATPCC	65720
GUY FALLO	MDMSC	62873

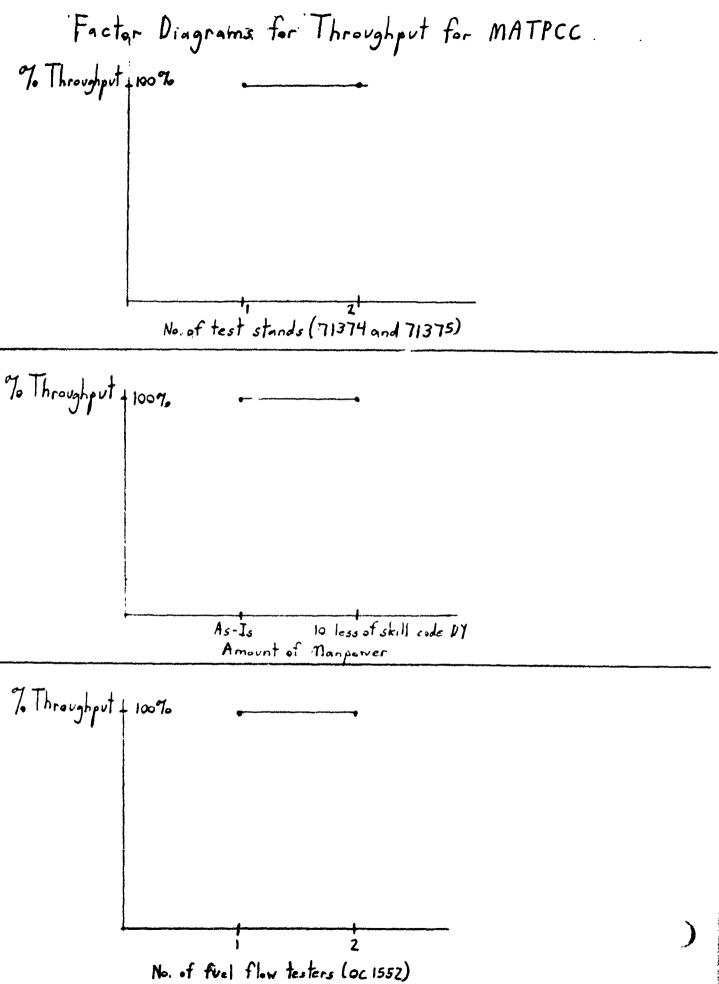
	Flow Time Variar	ices for MAT	TPCC	
DeN	Jimula Ted Flow	Actual	Simplated vs. Actual	
PCN	Time Hours	Hours	Variance (%)	
30011A	39.78	48.0	- 17.1	
34055 A	241.68	240.0	Q	
34103A	194,25	192.0	0	
34327A	117,07	192.0	-39.0	
34510A	327.92	240.0	26.8	
34512A	128.83	192.0	- 32,9	
34522A 34544A	108.92	192,0	- 43,3	
34549A	137.33	192.0	- 28,5	
35091A	276,76	312.0	- 11.3	
35077A	133,11	192.0	- 30,7	
37649A	169.77	192.0	-11.6	
37730A	60.73	48.0	21.0	
38:64%	141.16	192.0	- 26.5	
38666A	760	24.0	- 68,3	
39632A	7.33	24.0	- 69,5	
397369	214,15	192,5	10.3	
42087A	213.77	740.0	-10.9	
45362A	179.20	192.0	-6.7	
45387A	201.94	192.0	4,9	
483711	249.71 215.24	192,0	23.1	
184517	275 63	192.0	13.8	
48561 A	251.34	192.0	303	
48563A	2 <i>57.20</i>	192.0	23.6	
4958 LA	177.06	192.0	25.3	
61132A	110.21	192.0	- 7.8	
61207A	202,47	96.0	12.9	
61214A	256.94	192,0	5,2	
95015A	52.40	1925	25,3	
95038A	4992	48.0	8.4	
95052A	68.08	48,0	3,8	
95058A	57.44	48.5	29.5	
95086A	65.79	48.0	16.4	
95104A	66.30	48.0	27.0	
95108A	49.41	48,0	27.6	
95111A	95.85	48,0	29	•
951311	63.86	48.0	1 1/ 1	مد
95133A	5696	48.0 48.0	24,8 15.7	
95133A 95188A 15333A	5696 73.59 5697 5853	48.0	15,7 34.8	
11-744	5853	4 8.0 4 8.0	34.8 15.1	

Factor Diagrams for Flow Times for MATPCC









,

HouRS 11/2 1100 778 110 1/3.06 63 18/18 1/4.93 7 2 50-75.1 50-75.1 26301 202 10: 1221 6/0 37 325.36 3.5.5° 202 206 10 10 77 57 47.08.48 ور 7 ダグ 11 12/ 74 12/ 1:0 # PC N 340554 34034 4 43 350 10/2 205,31 1.7/2/ 110 2 10.00. 3 8 پار خان 66 83 3 E Days 10 0 16 0 64 $C\xi$ Ú () 69 がな 4 $\dot{\aleph}$ 7 N

O Rec 447 PRC

	Houks		;										
•	XC0768	305.30 46 46	199.35	201.36	223.14 46 46								
	386664	757	65 65	45/65	72.57								
	K 9288	7.41	7.53	7 6.3	5.57	-							
	FW.1.28	140 25 80 86	146.70	142.33	82 mm						-	. <u></u>	
#	16h 71.8	207 E	204/264	121 113 121 113	41.12 41.12								
PCN	35097A	161	167.26	165.88 50 50	50.19	-			-				
	356.964	106 166	13817	135.96	13.2.65 104 VOY					·			
	16hshs	200.66	288.96	58.84	52 53					 -			
	Days	16	16	16	16	•	·						
: '	48	S	8	R	ÇŔ	•		,	·				
	*	+	6.	بع	4.	. ‡	- i .	•	:	•	• •		••

454514 485614 485234 HOURS 268.21 600 363.68 23 23 562505 250.69 3 18 3 12 109/20/120 230.49 120 120 06/06/ 230.25 71.8 xc 738.81 レンシ (3.7) 420894 45 3624 45 3874 48 3714 60) 86 18:7/0 3/1.78 211.77 AL 315 1601 677 6.2/ 86 891 871 203.77 150 150 25.57 159 0% 6 6 651 201.29 6257 651 208.33 202,58 ダングング 1167067 21167E 67E 125.56 ケアン 1269 ノグ 39706A 78 24.500 81.82 86 86 218:35 5/2/2/8 28 Days *>* 0 1.6 5 64 6 39 C.R 6 # ch Ś

	i	ı	i		i.	i	ì	i I	į :		ı .	i	:	
	Houles			,										
•	783	37.6	36	15.53	5%3									-
	000	19 W	10/2	18/2	N12			,						
	*	.08 53		アタング	3 5	_						_		
	953.6	23	47	6.00	34.64									
	PSE O	33,	4	30 129	18:									
		8.7 C.8.	de s	600	583 50									
	K 5/	17.	25	8/	37									
	0.36	10 8 10 8	10.0	250	22									
	7	500 2	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	123 145	37.5									
#	69019	25 c. X	1875. 1875.	<i>51</i> 7 5 5 C'	ジタご									
PCN	K ₁	821		,										
d	K20273	1881	195.	133	135									
	324	8.7	35	407										
	13	511	56.021 54.54	1:21	24									
	495824	96	150	150	150									
	565	177	051	150	156									
	Days	16	16	1.6	16	•		·						
	84	3	3	ck	Cr	•	,							
+	* 10	+	१ ह	4	7.4.	+	-	•	:	•	•	•	. •	

25334 KU1/S 05/10/2 47 97 26 63.43 621/S 11 95086A 951044 951084 195114 195134 1957334 1823 54.20 173 143 143 121 121 43/43 2365 61.76 12.80 C 14.72 PCN # 23/23 12.93 クストン (x n 5.3 47.26 53 Defa ë 16 6 4 · 8 c.R 6,8 (% 08

PCN # Rec 2147200 40.73 194 AP1 1901.461 179 179 Days 16 16 6 16 64 c.k 6.6 Ř CR 7 ż Th.

SUCHI E	SIPER IN	ENT AMA	1,4315						A SARAY	v	01-120-80		
.C : 0C RCC :	8		SCC :	MATPCC	PCM:	10011A			:	F11E: 1	PCC300114		
	FACTOR F	FACTOR	FACTOR			TGTAL	TOTAL MET						
	«	#	U	FLG 118	THRU PUT	INDUCTED	THRU PUT			118	THE	Put	
	LENEL	LEVEL	LEVEL	ESIL	RESUL T	FOR PUN	FUR RUN		EFFECT	PERCENT	EFFECT	PERCENT	
	,parell			₽>	1.00	66	66	 -:1		1.76	1.00	0).0	
~		~	~	=	1.00	8	86		49 9	-1.26	1.96	0.00	
* *>	~		~	¥	1.00	86	88		39.9	1.12	1.00	0.00	
~	~	64		*	1.00	85	80		8.03	-1.12	1.60	0.00	
								ب س	79.3	1.15	1.00	©.0	
								E.4	40.3	-1.16	1.00	0.00	
			10TA	162	€.00	363	363						
			AVERAGE	£ .4	1.00	93.B	9.06		40.4	0.00	1.00	0.00	
			HATIMIN	¥	1.00	66	άď		40.9	1.26	1.00	0.00	
			HIMIMIM	£5	1.00	86	86		39.9	-1.26	1.99	0.00	

II EXPERII OC	EXPERIMENT ANALYSIS OC :	LYSIS RCC :	MATPCC	PCR:	34055A			14 ARRAY	: :	01-Jan-80 PCC34055	
FACTOR					TGTAL	¥E1					
*	•	U	FLOW TIRE	=	INDUCTED	HRU PUT		F1.04	1116	THRU	PUT
O. LEVEL		LEVEL	RESUL 1	RESUL 1	FOR RUK	OR RUM	FACTOR	EFFECT	PERCENT	EFFELT	PERCENT
			727	1.90	59	56	 •3	235.2	1.03	1.09	0.00
-4	~	~	244		29			240.1	-1.03	1.00	
~	***	7	238	1.00	53		æ	232.4	2.23	1.00	0.00
~	~		242		63			243.0	2.23	1.90	
							 []	234.4	1.37	1.06	
							C4	240,9	-1.37	1.00	
		TOTAL	126	4.00	248	248					
		AVERABE	237.7	1.00	62.0	62.0		237.7	0.00	1.00	0.00
		HAXINGH	1 244	1.90	63	63		243.0	2.23	1.00	0,00
		MINITED IN	122	1.00	59	35		4.3.2	-2.23	1.90	0.00

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SCUCHI SCUCHI	CUCHI EXPERIMENT ANALYSIS	ENT ANA	LYSIS	7. Care		AT014-			र्भिष्ठि है		01-Jan-80 prezatet	
. . 	3		₹	3	• • •	F-0150				•	2. 15.73	
	FACTOR	FACTOR	FACTOR			*JTAL	FC .					
	≪	6 0	U	FLOW TIN	THRU PIST	INDUCTED	THRU PUT		FLOW	7 (M.E.		PUT
SE MAN	SUN NO. LEVEL LEVEL LEVEL	LEVEL	LEVEL	RESUL	RESUL T	FOP RUN	FOR RUH	FACTOR	בנננג	č.		PERCENT
				9	1.00	₩.	1	 «\	194.6	9.68		
~		~	7	205	1.00	2	Ş	r 4 #3	197.2		1.00	
M	~		2	195	1:00	\$	5 1.00 40 40	 62	189.4	3,34	1,00	0.00
~	~	2		200	1.00	\$	℃	en E-i	202.		1.00	
								میں دے	141.8		1.83	
								د. ت	200.0		30:1	
			TOTAL	784	4.00	163	167					
			AVERAGE	E 195.9	1.00	£0.8	40.8		195.9	9.99	1.00	0.00
			HAXINUM	H 205	1.00	8			202.4	3.34	1:3	0.00
			HINIMIN	184 H	1.00	¥	2		189.4	-3,34	1.00	0.00

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SUCHI I	EXPERIMENT ANALYSIS OC RCC	ENT ANAL	YSIS RCC :	MATPCC	PCN:	34327A			४४९२० ≱े	٠٠ نيم سا د	01-Jan-89 PCC34327		
	FACTOR	FACTOR	ACTOR			1679L			•	!		1	
יטא אטר.	LEVEL	و د دروا	revel Level	FLUN TIME RESULT	E THRU PUT INDUCTED TH I RESULT FOR RUN FO	FO RUN	FOR RUN	-	FLOS	TIME	THRU EFFECT	PUT PERCENT	
				120	1.00	88	88	_ a	118.8	.1.17		0.00	
.~		2	~	117	1.06	7.	7.5		116.0	1.17		0.00	
m	~	***	~	121	1.00	7.4	74	 60	120.8	-2.92		0.00	
*	~	2			1.00	7	71		114.0	2.42		00.0	
								ـــ ن	115.4	1.73		0.00	
								23	114.4	-1.73		0.0	
			TOTAL	470	€.00	307	207						
			AVERAGE	117.4	1.00	76.8	76.9		117.4	0.00	1.00	00.0	
			MAX I MUK	121	1.00	95	88		170.8	2.92	1.00	00.0	
			MINIMUM	=======================================	1.00	74	74		114.0	-2.92	1.00	00.0	

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EIPERINENT ANALYSIS	T ANN T		MATPCC	PCK:	34510A			Le appay	FILE:	01-Jan-80 PCC34510		
			}									
	FACTOR	FACTOR	TOTAL NET THE THREE PUT INDUCTED THREE PUT	THRIS PILIT	TOTAL	NET THEN PUT		F104	11.75	THRU	PUT	
e Cinci	נמני	יבחבו	1 11530	PESIII 1	FOR RUN	FOR RUN	FACTOR	EFFECT		EFFECT	PERCENT	
	ָרָאָנָי בּאָנָי	ני	10,00	1.00	9	9	 	324.3			0.00	
. -	٠,	٠,	32.5	1.00	-	17	et.	717.1			0.00	
- c	4 -	4 6	70	6	; F:			324.4			0.00	
4 6	- c	4 -	200		P	F	en C-l	716.9			0.00	
•	4	4	,		:	•		215,9			0.00	
							23	322.4	-1.48		0.00	
		TOTAL	1283	4.00	52	151						
		AVERAGE	E 320.7	1.60	37.8	17.8		77.0.7	0.00	1.00	0.00	
		MAXIMUM	M 326	1.00	9	ý H		725.4	1.48	1.00	0.00	
		MINIMIN	309	1.90	37	13		315.9	-1,48	1.60	90.0	

==	EMPERINENT ANALYSIS OC RCC		LYSIS RCC 1	MATPCC	PCK:	345124			A SOFAY	FILE:	-16 924	01-1an-90 PCC14512
	FACTOR F	ACTOR	FACTOR			TOTAL	뜵					
	4	~	ບ	FLOK TIME	THRU PUT	INDUCTED	THPU PUT		FL94			THRU
Ġ	LEVEL	EVEL	LEVEL LEVEL	RESULT	RESULT FOR RUN F	FOR RUN	FOR RUN		EFFECT	PERCENT		EFFECT
			_	52.	1.00	219	21.4		126.1			1.00
		~	7	1.28	1.00	207	207		126.8			1.00
			~	1.26	1.00	207	207		175.3			8
		~		1.28	1.00	202	207	æ C1	127.7			00.
								ب ن	126.1			S
								r , C1	126.8			3
			TOTAL	96	€.00	840	840					
			AVERABE	E 126.5	1.00	219.0	2:0.0		126.5	0.00		1.00
			RAXINUM	H 1.28	1.00	219	516		127.7	0.95		1.00
			MINIMUM	H 125	1.00	707	202		125.	-0.45		1.03

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			_		_							
	Į.	PERCENT	00.0	000	0.00	0.00	00.0	0.00		0.00	0.00	0.00
01-Jan-80 PCC34522	anı	EFFECT	1.00	1.00	1.00		1.00	1.90		1.00	1.00	1.96
:	38.1					9,48				0.00	٠. ع	-0.48
L4 CARAY	20	SFFECT	114.2	114.9	115,1	114.0	115.1	114.0		114.6	115.1	114.5
		FACTOR	 -1	4	 en	(~)	ــ د	C 3				
	NET THRU PUT	FOR RUX	62	æ	ë				379	94.0	1/3 Dr	
34522A	TOTAL THRU PUT INDUCTED	FOR RUN	j.	88					336	84.0	93	ន
:. 20		RESULT	1.00	1.00	1.00	1.00			₩.00	1.00	1.00	1.00
HATPCC	FLON TIME	RESJLT	115	113	115	115			85 85	114.6	=	113
••	FACTOR FACTOR FACTOR	LEVEL		7	~				197.ET	AVERABE	MAX INUN	MINIME
11 PE	FACTOR B	LEVEL	, ,,,,	~	•	~						
AGUCHI EXPERIMENT ANALYSIS LC: OC RC:		LEVEL			~	7						
I JI		₹0. ¥0.		~ 1	, c	-						

	Pur	PERCENT	-5.50	5.50	-5.30	5.50	0.30	-0.30		0.00	5.50	-5.50
01-Jan-80 PCC34544	THRU	EFFECT	0.45	1,06	0,95	1.86	1.01	1.60		1.00	1.96	0.45
٠. النا النا	년 보 보	PERCENT	1.73	1.33	6.57	-9.57	-1.87	1.83		9.00	1.83	-1.83
**************************************				140.2						137.8	149.4	175.7
		147	 .z	4	 æ	دء 14	 ()`	د ۲				
	NET THRU PUT	FGR	180	211	211	311			822	295.5	213	187
3424 4	TOTAL THRU PUT INDSCTED	FOR RUN	211	211	2117	189			822	205.5		189
PUR	THRU PUT	RESUL T	0.40	1.00	1.00	1.12			4.01	1.00	1.12	0.90
MATPCC	FLOW TIME	RESULT	137	134	137	*			551	137.8	144	134
		LEVEL		7	7				TOTAL	AVERAGE	MAXIMUR	HINIMIN
EXPERIMENT ANALYSIS OC RCC:	FACTOR B	LEVEL		(4		~						
EXPERIM OC	FACTOR I	LEVEL			7	2						
HONEY	A News			~	~	~	,					

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EXPERIMENT AMALYSIS OC RCC: MATPCC		MATPU	ں	P.C.N.	18° 19A			भेणवेचच है ।	: :1 :1	01-Jan-80 PCC34549	
R FACTOR	IR FACTOR	Total Control of the Property	בוום וומויד		ַנֻייִם. נאמונרזבם	MET Tugu bur		e C	u a F	ign+	<u>t</u>
LEVEL LEVEL LEVEL RESULT RESULT	F. E.	RESULT RESULT	RESUL T		FOR RUN	Alle age	80.122	EFFER	TKEDRIG	EFFECT .	PERCENT
	1 261 1.00	261 1.00	3.1		62	2 9	 	274.8	1.24	1.00	0.00
1 2 2 289 1.00	2 289 1.00	289 1.00	1.00		25	5	*3	7.191.7	-1.24	1.00	0.00
2 1 2 254 1.76	2 204 1.00	204 1.40	1.78		25.	<u> </u>	• a	112 1	2.16	1.00	0.00
2 2 1 280 1.00	1 280 1.00	280 1.00	1.00		25	t	cz)	100	-2.16	1.3	0.00
							 (.)	237.1	2.42	1.93	00.0
							/ . t	785.4	-2.92	1.36	9.00
TOTAL 1113 4.60	113		4.60		218	218					
AVERABE 278.3 1.00	278.3	278.3	90 .1		54.5	54.5		278.	0.00	1.00	0.00
MAXIMUM 239 1.60	D III	D III	1.00		79	9		286.4	2.92	1.00	0.00
MINIMUM 261 1.60	261	261	1.60		\$2	(ri		270.1	-2.92	1.8	0.00

אפתכאו ורכ ז	EXPERIMENT ANALYSIS OC :	ENT ANAL	. YSIS RCC :	MATPCC	PCM;	15095A			L4 AREAY	: HE	01-Jan-80 PCC35096		
	FACTOR	FACTOR	FACTOR			TOTAL	Ë						
		# D	Ų	FLOW TIME	THRU PUT	INDUCTE				TIME		Put	
	RUN NO. LEVEL	LEVEL	LEVEL	RESULT	RESULT	OR RUN	FOR RUN	4013pz	EFFECT	PERCENT	EFFECT	PERCENT	
				130	1.00	701	901	-		0.16		0.00	
~		7	7	138	1.00	104		4		-0.10		0.00	
n	~		7	138	1.00	101		 02		0.43		0.00	
~	7	~		E .	1.00	104		נט ניז		-0.93		0.00	
								 (.3		2.16		0.00	
								2)		-2.16		0.00	
			TOTAL	237	90.4	418	619						
			AVERAGE	134.2	1.00	104.5	104.5		134.2	0.00	1.00	0.00	
		_	MAXIMUM	1.38	1,03	901	ĩol		127.1	2.16	1.00	0.00	
			HINIMIH	<u>621</u>	1.30	104	104		131.3	-2.16	1.00	0.00	

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¥	EIPERIY OC	UCHI EMPERIMENT ANALYSIS 1 OC RCC	LYSIS RCC 1	MATPCC	PCN:	75097A			L4 ARPAY	FILE: P	01-Jan-80 PCC35097	
	FACTOR	FACTOR FACTOR FACTOR	FACTOR	OR TOTAL NET		TOTAL	NET					
	•	a o	U	FLOW TIME	THRU PUT	INDUCTEL	THRU PUT		F. C.	7	THRU	PUT
2	LEVEL	LEVEL	LEVEL	RESUL 1	RESUL 1	FOR POR	FOR PUR	FACTOR	EFFECT	PERCENT	EFFECT	PERCENT
				162	1.00	2			164.6			0.00
~	_	2	~	15.		S	ζ.,		161.0			0.0
,,	~		~	146					167.9			0.00
•	~	~		136					161.7			0.0
								ب. در)	150.0			0.00
								C4	156.6			9.90
			TOTAL	651	₽ *¢0	190	951					
			AVERAGE	2		47.5	47.5		167.8	0.00	1.00	0.00
			MAXIMUM	T 167	1.90	8	ਲ		3.66.6	2.31	1.00	0.00
			MINIMIN	M 158	1.00	()	40		159.0	2.31	1.90	0.00

The second real for the first

	2137						A000A 4 4		00		
סכ אכנ י	, 300 100	MATPCC	PCN:	37649A			# # # # # # # # # # # # # # # # # # #	: ::	01-Jan-80 PCC37649		
FACTOR FACTOR	FACTOR			TOTAL							
2	ورا	TON TIME	THRU PUT	INDICTED	¥		F.38	11.WE	THRU	PUT	
	LEVEL	RESULT	RESULT	FOR RUN	3	7.1CT0R	EFFECT	PERCENT	EFFECT	PERCENT	
		23	1.00	727	227	 •"I	62.3	-0.96	1.00	0.00	
~	2	62	1.00	204		٠٢ ٤.٩	61.1	0.46	1.00	00.00	
	7	19	1.30	204		æ	61.8	-0.17	1.00	00.0	
e •		61	1.00	204		8 2	61.6	0.17	1.00	0.0	
						بد ن	61.8	-0.17	1.65	0.0	
						2	61.6	0.17	1.00	0.00	
	TOTAL	247	₹.00	839	939						
	AVERAGE	61.7	1.00	209.8	209.8		61.7	9.00	1.00	0.00	
	MATCHUM	53	1.00	227	227		62.3	96.0	1.90	0.00	
	MINIMIN	19	1.00	204	\$ú \$		51.1	-9.96	1.00	0.00	

		•	6	6	e.	_	6	_			<i>~</i>	
	PUT	PERCEN	0	0.0	0.0	0.0	0.00	0.0		0.00	0.00	0.00
61-Jan-80 PCC37730	THE	EFFECT	£.3:	£.5	1.00	1.93	1.00	1.63		1.60	1.00	1.60
 [.		PERCENT					-0.35			9.00	1.09	-1.08
1.4 ARRAY	16 'd	EFFECT	140.5	143.6	141.7	142.7	142.5	141.5		142.3	143.6	140.5
		FACTOR	 •3	43	 co	E 2	وسو الييا	ري دي				
	NET THRU PUT	FOR RUN	88	109	100	109			**	163.3	169	ప
37730A	TOTAL PUT INDUCTED 1	FOR RUN		109	109	109			413	103.3	601	- 62 - 62
er Er	THRU PUT	RESUL T	1.00	1.90	1.60	1.90			4.00	1.00	1.00	1.00
MATPCC	FLOW TIRE	RESULT	140	Ξ	142	165			268	142.	145	140
LYSIS RCC :	FACTOR FACTOR B C	LEVEL		~	2				TOTAL	AVERAGE	MAXIMUM	MINIMUM
ENT ANA	FACTOR	LEVEL		7		7						
ABUCHI EXPERIMENT ANALYSIS	FACTOR				~	7						
ABUCHI : 7	r gjann skale grupe p p 108,	9		~	M	~						

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JCHI EXPERIMENT ANALYSIS 1 OC RCC	MALYSTS RCC :	MATPCC	₽C%:	38664A	•		1 a 180 pa	FILE :	01-Jan-80 PCCT8664	
FACTOR FACTOR	FACT	TOTAL MET		TOTAL	# #					
₩	u	FLOW TIRE	THRU PUT	INDUCTED	THRU PUT		FL0# T	17.5	THFU	PuT
	LEVE	RESULT	RESUL T	FOR RUN	FCA RUN	747.70	EFFECT	PERCENT		PERCENT
		~	1.00	99	Ş	 • t	F	-9.40		6,00
7	~	æ	1.99	53	¥9	(4 •?	7.4	0,40		0.00
	7	~	1.05	£9	<u> </u>	ന	7.4	1.09		00.0
2 2		œ	1.90	63	-2	2 0	7.5	-1.08		0.00
						<u>۔</u> ں	7.5	9.27		0,00
						e a	7.4	0.27		0.00
	TOTAL	es S	₹	249	223					
	AVERAGE	E 7.4	1.00	62.3	62,3		7.4	0.60	1.00	0.00
	KAXIMUN	œ	1.00	67	63		W7	1.08	1.00	0.00
	HINIM	7	1.00	63	9		7.4	-1.08	1.94	0.00

THE RESERVE OF THE PARTY OF THE

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IICHI I	EIPERIM	IABINCHI EIPERINENT ANALYSIS	YSIS						LA SAPAV		01-Jan-80		
ALC :	ឧ		RCC :	жатрсэ	PCK:	386664				개 :	PCC38665		
	FACTOR	FACTOR	FACTOR	TOTAL		TOTAL	13x				,	!	
	≪	~	U	FLOW TIME	THEU PUT	140.7160	THRU P.J.		#C.T.	11HE	1498		
RUN NO.		LEVEL	LEVEL	RESULT	RESUL T	RESULT FOR RUR	F198 Pr.11:	FACTOR	103443	PERCENT	EFFECT	PERCENT	
_		-		~	00::	7.	-	 «T	7.5	0.10			
٠,		2	2	æ	1.93	מי		r 1	U7 P~	-0.13			
, ,,,			7	~	8.1	S.	S.	ລາ	7.4	1.23			
. ~	. ~	٠.		.c c	1.63	B.		£4 (2)	7.7	-1.23			
	•	•	•	i				 ()	7.	0.37			
								رب ن	7.5	-0.37			
			101AL	Ē	4. 36	246	5						
			AVERAGE	7.5	1.00	62.0	97.9		7.5	0.30	1.00	00.0	
			MAXIMUM	c o	35.1	11	7		7 6	1.23	1.90	0.00	
			HIMIMIM	P~-	1.90	53	59		2,7	-1.23	1.00	0.00	

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FACTOR FACTOR FACTOR TGTAL NET	EXPERIM	EXPERIMENT ANALYSIS OC 8	LYSIS RCC :	MATPCC	PCN:	136928			LA BRRAY	en lad lad lad	01-Jan-80 PCL79602	
EVEL LEVEL RESULT FOR RUN FOR RUN FACTOR FACTOR FFECT THRU FOT	FACTOR		12			TGTAL	NET					
1 205 1.00 46 46 47 202.7 2.79 1.00 2 2 199 1.00 46 46 8 202.7 2.79 1.00 3 2 201 1.00 46 46 8 202.7 2.79 1.00 4 4 8 2 211.2 2.79 1.00 707aL 829 4.00 184 184 214.2 -3.34 1.00 AVERAGE 207.3 1.00 46.0 46.0 207.7 0.00 1.00 WINIMUM 223 1.00 46 46 46 214.2 3.54 1.00 WINIMUM 199 1.00 46 46 46 200.4 -3.34 1.00 1.00 1.00 46 46 46 207.3 1.00 1.00 1.00 1.00 46 46 46 207.3 1.00 1.00 1.00 1.00 46 46 46 207.3 1.00 1.00 1.00 46 46 207.3 1.00 1.00 1.00 46 46 207.3 1.00 1.00 1.00 46 46 207.3 1.00 1.00 1.00 46 46 207.3 1.00 1.00 46 46 46 207.3 1.00 1.00 46 46 207.3 1.00 1.00 46 46 46 207.3 1.00 1.00 46 46 207.3 1.00 1.00 46 46 207.3 1.00 1.00 46 46 207.3 1.00 1.00 46 46 46 207.3 1.00 1.00 46 46 46 207.3 1.00 1.00 46 46 207.3 1.00 1.00 46 46 46 207.3 1.00 1.00 46 46 46 207.3 1.00 1.00 46 46 46 207.3 1.00 1.00 46 46 46 207.3 1.00 1.00 46 46 46 207.3 1.00 1.00 46 46 46 207.3 1.00 1.00 46 46 46 207.3 1.00 1.00 47 2.34 1.00	4 DO			FLOW TYNE	THRU PUT	INCUCTED	THRU PUT	نا خال دي:	38 F. C. C. C. C. C. C. C. C. C. C. C. C. C.	10年1日	THRU	PUT
1 203 1.00 46 46 41 202.3 2.39 1.00 2 201 1.00 46 46 81 202.3 2.39 1.00 1 223 1.00 46 46 81 202.3 1.91 1.00 1 223 1.00 46 46 81 202.3 1.91 1.00 1014 829 4.00 184 184 1021 207.3 1.00 46.0 46.0 207.3 0.00 1.00 11.00 11.00 46.0 46.0 207.3 1.00 11.00 11.00	רנאני		צ	ישבשערי	אבפטר ו	בחא בחג	בינות אוני	i,		1 KI E W		YENGEN!
2 199 1.00 46 46 5 2 212.3 2.79 1.00 2 201 1.00 46 46 8 1 207.3 1.91 1.00 1 223 1.00 46 46 8 1 207.3 1.91 1.00 TUTAL 829 4.00 184 184 2.1 206.4 3.74 1.00 WERAGE 207.3 1.00 46.0 46.0 207.5 0.00 1.00 HAXIMUM 223 1.00 46 46 65 200.4 -3.34 1.00				202	90:	Ş	9	 -1	262.	2, 29	8.3	9.00
2 201 1.00 46 46 8 1 205.3 1.91 1.00 1 223 1.00 46 46 8 2 211.2 -1.91 1.00 1 214.2 -3.34 1.00 1 214.2 -3.34 1.00 1 214.2 -3.34 1.00 1 214.2 -3.34 1.00 1 214.2 -3.34 1.00 1 214.2 -3.34 1.00 1 214.2 -3.34 1.00 1 214.2 207.3 1.00 46.0 46.0 207.3 0.00 1.00 1 214.2 2.33 1.00 46.0 46.0 207.3 1.00 1.00	مرم	7		663	06.1	9	97	~	212.3	2.39	1.00	90.0
1 223 1.70 46 46 8 2 211.2 -1.91 1.60 TOTAL 829 4.00 184 184 AVERAGE 207.3 1.00 46.0 46.0 207.3 0.00 11.30 HAXINUM 223 1.00 46 46 46 214.2 3.34 1.00 HINIMUM 199 1.00 46 46 70 200.4 -3.34 1.00	~			28	1.90	9+	**	ي. دي	22.3	1.91	1.00	0.00
C. I 214.2 -3.34 1.00 B29 4.00 184 184 5.74 1.00 207.3 1.00 46.0 207.3 0.00 1.00 223 1.00 46 46 200.4 -3.34 1.00 199 1.00 46 46 1.00 1.00	~	~		223	1.10	46	¥	2 20	2:1.2	-1.91	1.00	03.0
829 4.00 184 184 184 184 1100 207.3 1.00 46.0 207.3 0.00 1.00 223 1.00 46 46 214.2 3.34 1.00 199 1.00 46 45 200.4 -3.34 1.00								<u>.</u> .	214.2	-3.34	1.00	0.00
829 4.00 184 184 207.3 1.00 46.0 207.3 0.00 1.00 223 1.00 46 46 214.2 3.34 1.00 199 1.00 46 45 200.4 -3.34 1.00								e 4 6.3	366.	4E.	1.00	0.00
207.3 1.00 46.0 46.0 207.3 0.00 1.30 223 1.00 46 46 45 3.34 1.00 199 1.00 46 45 200.4 -3.34 1.00			TOTAL	828			184					
223 1.00 % % % 21%,2 3.34 1.00 199 1.00 % % % 5 200.4 -5.34 1.00			AVERAGE			_	•		207.3			0.00
199 1.00 46 45 200.4 -3.34 1.99			FLAX TAU		1.00	94	*		214.2			0.00
			MINIM		1.00	\$	45		200.4	14.50		0.00

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AGUCHT EXPER	EXPERIMENT ANALYSIS OC RCC	RCC:	MATPCC	PCN:	39706A			i a pagay	: 31:5	01-Jan-80 PCC59706	
FACT	FACTOR		11 to 12	Tubi cont	I BTAL	NET THOSE OFF		č			<u> </u>
LEYEL	ר ונאנו	LEVEL	RESULT	RESULT FOR RUN F	FOR RUN	FOR RUN	FACTOR	103253	PERCENT	EFFECT	POI
			222	1.00	5	6	- V	220,4			
	7	7	218	1.00	78		4 2	215.3			0.00
~		7	214	1.00	78	78		218.5			0.00
~	7		216	1.00	23		c 4 æ	217.		1.00	6.00
							ب ب	219.4			0.00
							23	216.4			0.00
		TOTAL	872	4.00	327	327					
		AVERAGE	217.9	1.00	81.8	91.9		217.9	0.00	1.00	0.00
		HAXIMUM	1 222	1.00	6	! *		220.4	1.16	1.00	9.90
		MINIMIN	1 214	1.00	78	7.8		215 3	-1.16	1.00	0.00

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ABUCHI ETPERINENT ANALYSIS LC : OC RCC :	KPERINE OC	INT ANA	LYSIS RCC :	HATPCC	PCX:	420994			1.4 APPAY	ind End End Lie	01-3an-80 PCC42089	
FACTOR A	FACTOR A	FACTOR 8	FACTOR	FLOW TIME	THRU PUT	TOTAL INDUCTED	TOTAL NET THRU PUT INDUCTED THRU PUT		186 1	IJ	THRU	PijŢ
UN NO. 1	EVEL	ונאנו		RESULT	RESULT	FOR NUN	FOR RUN	FACTOR	EFFECT	PEPCENT	103353	
	***	-		171	1.00	252	252	4	177.7	0.40		
7	••	7	64	181	1.09	597	592	4	179.1	0.40		
6 43	7		7	176	S	269	592	<u>۔۔</u> م	174.3	1.95		
•#	~	~		183	1.00	592	592	r 4 ga	181.8	-1.75		0.00
								<u></u>	178. 1	-0.03		
								ر. زن	178.3	0.93		
			TOTAL	713	₩.00	1059	1059					
			AVERAGE	178.4	1.00	264.8	264.9		5. 5.	0.0	1.00	0.00
			MAXIMUN	183	1.00	592	269		181.5	6. E.	1.06	0.00
			HIMIMIN	174	1.00	252	252		174.9	-1.95	1,99	0,00

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89	THRU PUT	ECT PERCENT	00.0	00.00	1.00 0.00	00.0 00.0	00.0 00.1	0.00 00.00		1.69 0.00	1.60 0.00	00'0 0'00
01-Jan-89 PCC45352												
		Ξ'				0.29				0.00	1.23	1.23
Avec at	FLGA			7.507	205.5	7.06.6	208.6	203.5		206.0	2,3.6	263.5
	£ £ £		- r		 C>	8 3	()	23				
	TOTAL NET THRU PUT INDUCTED THRU PUT TOTAL THRU PUT	ביי אמא אמא	? .		-==	1117			4 94	116.0		211
453524	TOTAL INDUCTED	אטא אטא	3:	7 7		117			164	116.0	111	113
Pūk:	THRU PUT	י אפיביור ו	? ?	20:1	3.	1.00			* .00	1.00	1.90	1.00
MATPCC	FL0# 11	ענאר י	2 4 4 6	77	203	209			824	206.0	1 209	1 203
LYSIS RCC :	FACTOR FACTOR B C	ן רב גבר	٠ د	4	~				TOTAL	AVERAGE	MAX I MUN	HINIM
EXPERIMENT ANALYSIS OC RC:	FACTOR B	ל ל ל	٠,	•		~						
EXPERIN OC	FACTOR A A	13 13	٠ -	- 1	7	~						
1 J. J.	\$ 2 2	E .		• •	·~	~						

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TABUCHT EX	EXPERIMENT OC	ENT ANA	ANALYSIS RCC :	MATPCE	PCK:	45387A			१६ वर्गवृत्	3114	01-Jan-80 PCC45787		
	FACTOR	FACTOR	FACTOR			זמזמי	138						
	Æ	<i>p</i> 0		FLOW TIME	THRU PUT	14DUCTED	THRU PUT		36 13 13	11 18	THRU	PUT	
			LEVEL	RESULT	AESIJI, 7	FOR RUN	FOR SUR	FACTOR	EFFECT		133333	PERCENT	
				204	1.00	641		₫	204.5			9.00	
	4	2	~	202	1.09			€.	247.5			0.00	
	~		7	201	٠. ا	150	153	 ش	202.5			0.00	
	2	2		214	1.00			B 2	3.635	-1.72		0.0	
								۔۔ ب	258.8			Ú.))	
								t vi	247.4			0.00	
			TOTAL	824	4.00	942	5.43						
			AVERAGE	206.1	1.00	161.7	151.		276.1	0.00	1.00	9.00	
			MAXIMUM	214	1.9	391	27.5		200,6	1.72	1.00	0.00	
			KIKIKIK	201	1:00	120	υ. •		262.5	-1.72	1.03	0.00	

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L4 ARRAY

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THRU PUT

1.00 0.00

1.00 0.00

1.00 0.00

1.00 0.00

1.00 0.00

1.00 0.00 0.00 9.00 01-Jan-80 PCC48371 1.00 1.00 FLOW TINE EFFECT PERCENT 215.3 0.36 216.8 -0.36 214.3 0.80 217.8 -0.80 217.8 -0.81 -0.81 FILE : 216.0 217.8 214.3 10TAL NET
10TAL NET
1. FLOW TIME THRU PUT INDUCTED THRU PUT
1. RESULT FOR RUN FOR RUN F1
1.00 98 98
1.00 109 109
1.00 109 109
1.00 109 109 106.3 109 8 106.3 109 48371A 1.90 1.00 1.00 <u>:</u> 216.0 TAGUCHI EXPERIMENT ANALYSIS TAKEN T ALC : OC RCC S. NATPCC. FACTOR FACTOR FACTOR

A B C F

LEVEL LEVEL

1 1 1

1 2 2

2 1 2

2 2 1

2 2 1 AVERAGE MINIMIN MAXIMUN LEVEL

REW NO.

TABUCHI EXPERIMENT ANALYSIS

484514 PCN:

V 01-Jan-80 FILE: PCC48451 L4 ARRAY

PUT	PENCER!	3 6	0.00	0.00	0.0	0.0		0.00	0.00	0.00
THRU								1.00	1.8	1.00
TIRE	-0 AB	9,0	2,26	-2.26	0.43	-0.43		0.00	2.26	-2.26
FLON	23.4 9	234.6	230.4	241.0	234.7	236.7		235.7	241.0	230.4
-	۶- م د م				ت ن	ເ 3				
MET THRU PUT	105	120	120	120			465	116.3	120	105
TOTAL INDUCTED	105	120	120	23			465	116.3	120	105
THRU PUT	1.90	8.1	1.00	1.00			4.00	1.00	1.00	1.00
FLOW TIME RESULT	230	243	230	239			943	235.7	243	230
FACTUR C LEVEL		7	2				TOTAL	AVERAGE	HAXIMIN	MINIMIM
FACTOR B LEVEL										
FACTOR A LEVEL	-		24	7						
RUM NO.		~								

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TABUCHI EXPERIMENT ANALYSIS
ALC: OC RATPCC

01-Jan-80 FILE: PCC48561 L4 ARRAY 482614 PCN:

	REENT	0,00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
Q.											_
						1.00			1.00	1.00	1.00
71.ME	PERCENT	0.07	-0.07	2.39	-2.39	-0.57	0.57		0.00	2.39	2.39
FLOW	EFFECT	258.0	258.3	252.0	264.3	259.6	7.26.7		258.2	264.3	252.0
	FACTOR	(4.2	 es	83 C1	ب د	ر د				
NET THRU PUT	SE KON	3 8	77	7	77		8	3	21.5	23	21
TOTAL INDUCTED	ב אטא אטי	3 ;	4 (72	77		88	}	21.5	23	23
THRU PUT	ייייייייייייייייייייייייייייייייייייייי	99.					4.00		90:1	1.00	1.00
FLOW TIME	12051	672	30 2	ថ្ង ដ	997		1013		258.2	266	751
FACTOR C FVEI	· -	٠.	4 6	٠.	-		TOTAL		AVERAGE	MAX EMUN	HIMIMIH
FACTOR B EVEL	-	۰ ،								_	_
		-	•	٠,							
FACTOR A RUN NO. LEVEL		~	•	• ••	•						

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THRU PUT
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1.00 0.00
1.00 0.00
1.00 0.00
1.00 0.00 0.00 0.00 01-Jan-80 PCC48563 1.88 1.00 FLOW TIME EFFECT PERCENT 262.3 0.66 265.8 -0.66 255.4 3.29 272.8 -3.29 265.9 -1.07 FILE: L4 ARPAY 264.1 272.8 4 4 5 8 8 5 5 6 OR TOTAL NET

L RESULT RESULT FOR RUN FOR RUN F

256 1.00 28 28

268 1.00 29 29

254 1.00 29 29

277 1.00 29 29 28.8 6,1 28.8 29 48563A 1:00 00:1 RCC : MATPCC . PCN: 264.1 111 TAGUCHI EXPERIMENT ANALYBIS "
ALC : OC RCC : N AVERASE MAXIMUN FACTOR FACTOR FACTOR B LEVEL A LEVEL .e. 50.

0.00

1.00

-3,29

255,4

83

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1.08

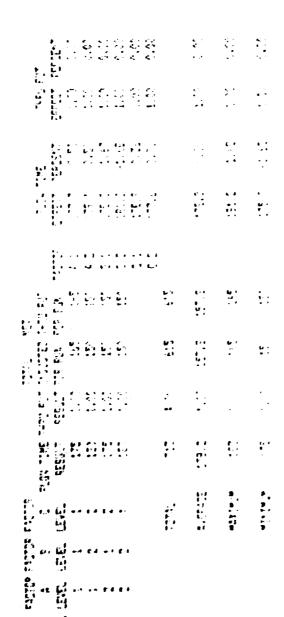
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95015A ₽0. TAGUCHI EXPERIMENT ANALYSIST TAGE ALC : DC RCC : MATPCC

LA ARRAY

THRU PUT

EFFECT PERCENT

1.00 0.00

1.00 0.00

1.00 0.00

1.00 0.00

1.00 0.00 0.00 0.00 01-Jan-80 PCC95015 1.00 . g FLOW TIME 52.2 2.43 54.8 -2.43 52.4 1.94 52.5 -1.94 53.0 0.82 53.9 -0.82 2.43 -2,43 FILE ; 54.8 52.2 448850 TOTAL NET
FLOW TIME THRU PUT INDUCTED THRU PUT
RESULT RESULT FOR RUN FOR RUN F
51 1.00 99 99
54 1.00 95 95
55 1.00 95 95 96.0 ٥<u>-</u> 5 96,0 \$ Ç., 9.0 1.00 1.00 00.1 53.5 S 5 HAX I MUN MINIMIN AVERAGE FACTOR FACTOR FACTOR LEVEL 1 2 2 1 TOTAL A RUN NO. LEVEL

TAGUCHI ALC :	EXPERIMENT ANALYSIS	ENT ANA	,*a+	MATPO	P.C.	95038A			L4 ARRAY	FILE :	01-Jan-80 PCC95038	
				4,000 T								
	FACTOR FACTOR FACTOR	FACTOR	FACTOR			TOTAL	MET					
	₫	ക	Ċ	FLOW TIME	THRU PUT	INDUCTED	THRU PUT		F1 04	1111	TURI	Fild
₽	LEVEL	LEVEL	LEVEL	RESULT	RESULT	FOR RUN	FOR FUN	FACTOR	EFFECT	PERCENT	EFFECT	
				#	1.00	32	32	4	50.6	7.55		
2		~	t.i	25	1.00	25	53	f. 2	58.8	-7.55		
,	7		L1	8	1.00	58	3è	- (0	51.5	5,85		
-	2	~		83	1.00	ድ	29	8 2	57.9	-5.85		0.0
								<u>၂</u>	51.0	6.75		
								C 3	58.4	-6.75		
-			T07.8E	219	4 .00	119	119					
			AVERAGE	54.7	1.00	29.8	29.8		54.7	0.00	1.00	0.00
			MAXIMUM	59	1.00	22	32		58.8	7.55	1.00	0.00
			HINIMIN	#	1.00	29	24		50.6	-7.55	1.00	0.00

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TAGUCHI Alc :	EXPERIMENT ANALYSIS OC 1	ENT ANA	LYSIS . RCC :	MATPEC	: 200	95052A			L4 ARRAY	file:	01-Jan-80 PCC95052	
	FACTOR FACTOR F	FACTOR	FACTOR			TOTAL	NET					
200	PIN NO - FUE	ع م <u>د</u> الم	בים כי בים כי	3437 16.	==	INDUCTED CON	THRU PUT	4040	10 Tel	•	THRU	PUT
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								_	71.2			0.00
								د ۲	72.9			0.00
			TOTAL	288	4.00	182	182					
			AVERAGE	72.1	1.00	45.5	45.5		72.1	0.00	1.00	0.00
			MAXIMUN	16	1.00	ES.	53		76.3	5.93	1.90	0.00
			HINININ	99	1.00	\$	43		67.8	-5.93	1.00	9.00

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TAGUCHI EXPERIMENT ANALYSIS ALC : OC RCC :

೪	_	ະ	ALC : 0C RCC : HATPCC	PCM:	95058A				FILE :	9CC95058	
FACTOR FACTOR FACTOR	FACTOR 6	ACTOR			TOTAL	# E1					
∢	æ	U	FLOW TIME THRU PUT INDUCTED THRU PUT	THRU PUT	INDUCTED	THRU PUT		H2 13	3	THREE	Liid Liid
LEVEL	LEVEL 1	EVE L	RESULT	RESUL T	FOR RUN	FOR RUN	FACTOR	Eprest	PERCEN	FFFFT	PERCEN
			79	1.00	E	23	4	60.3	יאו	3 -	
	ત્ય	۲,	ß	1.00	7	#	A 2	54.0		8	
2		2	S	1.00	₹	¥	en:	- C.		60:1	> =
2	64	_	55	1.00	7	=	CD (CD	52.9		8 5	• •
							ب ن	59.6	-	1.00	00.0
							C 3	4.5	7.4	1.05	
	,_	TOTAL	229	4.30	156	156					•
	€CE	AVERAGE	57.2	1.00	39.0	***		57.2	0.00	1.00	9.6
	Ē	HAX INUM	\$ 9	1.00	#	₽*		5.05	P		0.00
	3C	HINIE	સ	1.00	¤	33		54.0	-5.53		0

01-Jan-80 FILE: PCC95086 L4 ARRAY 95086A TAGUCHI EXPERIMENT ANALYSIS ALC: OC RCC: MATPCC PUN:

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	TE	Ecrect	1.00	1.00		1.00	1.99	588	1.00 0.00 1.00 0.00 1.00 0.00 1.00 0.00	1.00	8.1.1.00 8.1.1.00 8.1.00 8.1.00	0.1 1.00 1.00 1.00 0.1 0.1 0.1
	1146	PERCENT	0.49	-0.49	6.20		-6.20	-6.20 0.08	-6.20 0.08 -0.08	-6.20 0.08 -0.08	-6.26 0.08 -0.08 0.00	
	FL 04	EFFECT	75.7	75.5	71.4		80.8	80.8 75.0	80.8 75.0 76.1	80.8 75.0 76.1	80.8 76.0 76.1	80.8 76.0 76.1 76.1
		•••							8 C C C			
Œ	THRU PUT	FOR RUN	85	53	52		S	S.	55	52	52 21.5 53.5	53.5 53.5 58
IDTAL	NOUCTED	FOR RUN FI	88	Š	25		25	25	22	214	52 214 53.5	57. 214 57.5
	THRU PUT	RESULT 1	1.00	1.00	1.00		1.00	1.8	1.00	1.00	1.00	1.00
	•	RESUL T	7	8	12		8	8	ő	304		
FACTOR		LEVEL		~	2	,	_			t Total	L TOTAL AVERABE	L TOTAL Averase Maximum
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		A MIN	-	٠.	4 9~	,	~	~	•	•	•	•

L4 ARRAY 01-Jan-80 FILE : PCC95104 95104A TABUCHI EXPERIMENT ANALYSISH AND TABLE : OC RCC : MATPCC PCN:

•	FACTOR	FACTOR				TOTAL	KET			•		
	⋖	۵		FLOW TIME	THE PUT	INDUCTED	THRU PIJT		FL04	118	THRU	PuT
RUM NO. LEVEL (EVEL	LEVEL	LEVEL	RESULT	RESULT	RESULT FOR RUN FO	FOR RUN	***	EFFECT	PERCENT	EFFECT	PERCENT
				99	5.3	22	25		68.7	0.77	1,8	0.00
2		~		7	1.00	S	23		8.59	-0.77	1.00	0.00
m	7			22	1.00	23	53		69,4	-0.19	1.00	0.00
~	7	7		19	1.00	23	53	8 2	69.1	0.19	1.00	0.00
								ب ن	6.99	3,47	1.00	0.00
								C 3	711.7	-3.47	1.00	0.00
			TOTAL	717	₩.00	211	211					
			AVERAGE	E 69.3	1.00	r.			69.3	0.00	1.00	0.00
			MAY TRUM		1.00		23		71.7	3,47	1.00	0.00
			HUL HUH		00.1				66.9	-3.47		0.00

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01-Jan-80 PCC95108 FILE: L4 ARRAY 9510BA

THRU PUT 1.00 0.00 1.00 0.00 1.00 0.00 1.00 0.00 1.00 0.00 0.00 3.00 1.09 **3** 1.00 FLGW TIME
46.4 -2.98
7.7 2.98
3 -2.81
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1.1 43.7 OR FLOW TIME THRU PUT INDUCTED THRU PUT

L RESULT RESULT FOR RUN FOR RUN F

49 1.00 23 23

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44 1.00 21 21 33 **6**.00 1.00 1.00 1.00 PC. 8 45.0 **\$** NCC : NATPCC AVERAGE MAXIMUN HINIMUM FACTOR FACTOR FACTOR TABUCHI EXPERIMENT ANALYSIS ALC : DC RCC : TOTAL RUN NO. LEVEL

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L4 ARRAY 01-Jan-80 FILE : PCC95111 951114 TAGUCHI EXPERIMENT ANALYSIS ... ALC : OC RCC : NATPCC PCN

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	FACTOR	FACTOR	FACTOR			TOTAL	MET					
	⋖	20	u	FLOW 1176	THRU PUT	INDUCTED	THRU PUT		FLOW	11 M		PUT
2 2	. LEVEL	LEVEL LEVEL	LEYEL	RESUL T	RESULT.	RESULT FOR RUN F	FOR RUN	-	EFFECT	PERCENT	EFFECT	PERCENT
		***		105	0	7.7	24		108.9	-1.03		0.00
~		7	7	112	1.00	22	21	A 2	106.7	1.03		0.00
m	2		7	101	1.00	21	21		106.1	1.54		0.00
~	~	~		106	1.00	22	21		109.4	-1.54		0.0
									105.9	1.78		0.00
								ر د ع	109.7	-1.78		0.0
			TOTAL.	431	• 00	87	69					
			AVERAGE	107.8	1.00	21.8	21.8		107.8	0.00	1.00	0.00
			MAXIMUM	112	1.00	24	22		109.7	1.78	1.00	0.00
			MINIMUM	105	1.00	21	21		105.9	-1.78	1.00	0.00

L4 ARRAY 01-Jan-80 FILE : PCC95131 95131A TAGUCHI EXPERIMENT ANALYSTE TO ALC : DC RCC : MATPCC

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FACTOR			100	TOTAL	MET		3	7	ī	Ì
LEVEL LEVEL RESULT RESULT				FOR RUN	FOR RUN	_	EFFECT	PERCENT	EFFECT	PERCENT
			2	121	121	4	61.6	-2.05	1,00	0.00
2 62			8	143	143		59.1	2.05	1.00	0.00
2 60			8	143	143		60.5	-0.19	1.00	0.0
20			8	143	143		50.3	0.19	1.00	0.00
						<u>۔۔</u> دی	60.1	6.43	1.09	0.00
						C 2	9.69	-0.43	1.00	0.00
TOTAL 242		_	4.00	250	220					
AVERAGE 60.4			1.00	137.5	137.5		4.09	0.00	1.00	0.00
HAXIMUM 62	62		60:1	153	143		61.6	2.05	1.00	0.00
PININGH S9			8.1	121	121		59.1	-2.05	1.00	0.00

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01-Jan-80 FILE : PCC95133 14 -41 W. 951334 TOTAL TABUCHI EXPERIMENT ANALYSIS
ALC 1 OC RCC 1 TATTEC PCK:
FACTOR FACTOR FACTOR
A B C FLOW TIME THRU PUT
A B C FLOW TIME THRU PUT
1 1 1 52 1.00
2 1 2 2 53 1.00
4 2 2 1 57 1.00

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FLOW TIME THRU PUT INDUCTED THRU PUT	THE PUT INDUCTED THRU FUT	INDUCTED THRU PUT	THE FU			5	114	344	
RESULT RESULT FOR RUN FOR RUN FACTOR	RESULT FOR RUN FOR RUN FACTOR	FOR RUN FOR RUN FACTOR	FOR RUN FACTOR	FACTOR		EFFECT	PERCENT		PERCENT
52 1.00 15 15 A 1	1.00 15 15 A 1	15 15 A 1	15 4 1	 4		52.4	3.10		
53 1,00 18 18 A 2	1,00 18 A 2	18 18 A 2	18 A 2	A 2		55.8	-3,10		
54 1.00 18 18 18	1.00 18 18 18 1	1 8 81 81	1 68 81	 æ		52.9	2.22		
57 1.00 18 18 8.2	1.00 18 18 82	18 18 18 2	18 8 2	3 2		55.3	-2.22	1.8	
U	- u	u	- U	ب ن		54.5	-0.71		
2.3	2 3	23	23	23		53.7	0.71		
216 4.00 69 69	4.00 69	69							
17.3	1.00 17.3	17.3				54.1	0.00	1.00	0.00
18	1.00 18	18				55.8	3.10	1.00	0.00
MINIMUM 52 1.00 15 15	1.00	53				52.4	-3.10	1.00	0.00

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THRU PUT
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1.00 0.00 .8 0.00 0.00 01-Jan-80 PCC95188 1.00 .. 8 :. S FLOW TIME EFFECT PERCENT 1.2 2.27 2.27 2.27 2.27 -2.27 61.0 62.8 62.7 61.1 67.3 60.5 63.3 60.5 FACTOR A 1 A 2 B 1 C 1 TOTAL NET
TOTAL NET
RESULT THRU PUT INDUCTED THRU PUT
RESULT RESULT FOR RUN FAFT
63 1.00 17
62 1.00 17
1.00 17 17.3 7 17.3 1 00:1 4.90 1.00 1.00 61.9 3 3 TABLICHE ERPERINENT ANALYSIS
ALC : OC RCC : MATPCC FACTOR FACTOR FACTOR

A B C F

I. LEVEL LEVEL LEVEL

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\$	**************************************	136 00 12 E256	27.8 C. 1.0 18.0.7 Mar. 18.0.1
**************************************	*** *** *** *** *** *** *** *** *** **	57. 50.1 57.1 57.8 0.10 67.7	1961 SOLI 1861 SALI 1861 S
		57.9 190.3	2001 001 E125

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11.0 DUICK FIXES

15C-20131A TYPE PROPOSAL ☐ FOCUS STUDY CONTROL NO. BY QUICK FIX アンロンロン OTHER or TI PROGRAM
COST BENEFIT ANALYSIS REPORT 6 REQUIED シャノンラ PRODUCTIVITY MAPROVEMENT SUMMARY TECH! XGY INSERTION ENGINEERING SERVICES PROGRAM ALC COC. DATE 5/25/89 RCC MAT PCS ITEM NO. 2500 Prevent BENEFIT OF CHANGE PROPOSED METHOD Raise CURRENT METHOD シーデーナイ NOON

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15C-20131A TYPE PROPOSAL TR QUICK FIX BY FOCUS STUDY CONTROL NO. OTHER genen B COST BENEFIT ANALYSIS REPORT 400 TI PROGRAM was ME meani PRODUCTIVITY IMPROVEMENT SUMMARY ansmitter **DRY INSERTION ENGINEERING** paro b. ALC OC DATE 5-3-87

RCC MATPLE ITEM NO. #2582 DATE 5-3-89 compans Block Gull meder presented nonde How. BENEFIT OF CHANGE CURRENT METHOD SERVILLS PROGRAM PROPOSED - 570 :: NOUN Just TECH

15C-20131A TYPE PROPOSAL □ FOCUS STUDY CONTROL NO. C.C. M QUICK FIX -405-025-00 D OTHER Present S. S. area COST BENEFIT ANALYSIS REPORT production noperation or TI PROGRAM flow Transmitter PRODUCTIVITY IMPROVEMENT SURMARY IY INSERTION ENGINEERING monn micac 68-82-4 RCC MAT POCITEM NO. 0.70 BENEFIT OF CHANGE PROPOSED METHOD ender CURRENT METHOD DATE SERVICES PROGRAM NOUN ACLES 247 25 25 *6* TECHNC

TECHNOLOGY INSERTION ENGINEERING SERVICES PROGRAM TI PROGRAM

TYPE PROPOSAL

CONTROL NO.

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OTHER

QUICK FIX

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COST BENEFIT ANALYSIS REPORT

ITEM NO. 420/898/453624/ 433714/612074/61264A Trunsmitters Flow RCC MATRE

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May 1989

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#481.80 スパン 2 to These -7489 20 -00 - 463 thuits USAF 200 the impeller efferment. **CURRENT METHOD** CHOUSEN When 20.00

a Cloro rimete mosodure Suggestion 881138 150 lemen tution 540,4657101 WAFF PROPOSED METHOD 222 mor ller 60.37

300/ 00 -ALC ax ac tion mordie Courent recommend BENEFIT OF CHANGE training

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1257 CHOW & 360 3 Substantial Q, OGCOX.M. repair This Line reachaess from

PRODUCTIVITY IMPROVEMENT SUMMARY

1984 0007 Form stack o. You a/0005) USAF 400 imnellors \$300 000 the over this awaiting Imalementing 00-010

15C-20131A TYPE PROPOSAL A QUICK FIX

Focus Study CONTROL NO. OTHER_ ono 0/ ⋛ motor in aloch, COST BENEFIT ANALYSIS REPORT TI PROGRAM 95044A, 49851A sech on or two verte ane PRODUCTIVITY IMPROVEMENT SUMMARY **3GY INSERTION ENGINEERING** DATE 5-15-89 HCC <u>MAT PCC</u> ITEM NO. <u>95/3/4.</u> Demones NOUN actuatory BENEFIT OF CHANGE PROPOSED METHOD CURRENT METHOD inn SERVIL S PROGRAM Herica Motore ALC OC TECH'

15C-20131A 001 TYPE PROPOSAL A QUICK FIX CONTROL NO. CL OTHER coming trgear i gear ahaft springs Crape C 20200 afo RECEIMAGE spying causes domage **COST BENEFIT ANALYSIS REPORT** TI PROGRAM 14500 PRODUCTIVITY IMPROVEMENT SUMMARY SIMKEL 'Y INSERTION ENGINEERING DATE 5-18-89 Supply Cover was 532440-NOUN actuators (10) BENEFIT OF CHANGE HCC/NATPER ITEM NO PROPÓSED METHOD MEKO CURRENT METHOD SERVICE JROGRAM drengo ALC OC TECHNC

15C-20131A TYPE PROPOSAL A QUICK FIX -17 -amcess CONTROL NO. OTHER Same entry Meens Paint Tem Born-V den 4 Fr 6 BB 446 Manger **COST BENEFIT ANALYSIS REPORT** TI PROGRAM 109 555 Paceto management would The another PRODUCTIVITY IMPROVEMENT SUMMARY IY INSERTION ENGINEERING 4 MATPCC 2000/605 beith ou prouness DATE 24 May ITEM NO. AULA Meader Operators B BENEFIT OF CHANGE PROPOSED METHOD mens semen **CURRENT METHOD** Dier office SERVICE, PROGRAM Penetrual tiery Orinting 0 RCC DATEC When 726 resolve TECHN 955 NOON

1 TYPE PROPOSAL □ FOCUS STUDY A COUCK FIX CONTROL NO. OTHER 7 13.3 18016 AFFERDAX COST BENEFIT ANALYSIS REPORT ななり TI PROGRAM C 34102A X(30 (300334) PRODUCTIVITY IMPROVEMENT SURMARY "TECHNC_ JGY INSERTION ENGINEERING SERVICES PROGRAM Former ALC OC DATE 5-15-89 RCC DIRTPOC ITEM NO. 30033A 50 BENEFIT OF CHANGE 6h 4334.20 PROPOSED METHOD NOUN WALLES CURRENT METHOD

15C-20131A

12.0 FOCUS STUDIES

LSC-20131A S. the tion 5000 TYPE PROPOSAL \$ \$ \$ 402 Inglemen & from M FOCUS STUDY Jak いる Some C666141 MY D QUICK FIX CONTROL NO. 5 Lhese Mengaconen within action received Manuyemen expensive ougn'the gual.to Manage men generak 30% numbress 200/6205 Processes 100% 45 . identifu COST BENEFIT ANALYSIS REPORT auch tems 000 Savings Su C Focus Managers TI PROGRAM MPrivements Manges immediately ou time estimates 1000 245 Process recommende 7,00 Commen Oroblem syken. Nob/ens PRODUCTIVITY IMPROVEMENT SUMMARY cast Lhere Proposec TECHN...JGY INSERTION ENGINEERING the Presents 250000 offen 100, M & 10 then the the MATPLE 20% 9 recommendation. Condition, DATE 25 ore Men MEN NO. breadth BENEFIT OF CHANGE Cec-ssiring. PROPOSED METHOD **CURRENT METHOD** SERVICES PROGRAM 9 Substantially selutions 岩 44 Ser v.z. 16/6 ALC OC -ALC Given the RCC MATRC Workers Cost らげん of this NOON

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TECHN. JGY INSERTION ENGINEERING SERVICES PROGRAM

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K FOCUS STUDY

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Although there. Durts 'enverger 5-37 % 001 2500016 Materia Riv focus PRODUCTIVITY IMPROVEMENT SUMMARY 64570 Mare BÉNEFIT OF CHANGE PROPOSED METHOD RCCS CURRENT METHOD valk V5/5m " the ethec NC-105 مانساه march Gram other

LSC-20131A

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Deaple 15C-20131A TYPE PROPOSAL Such M FOCUS STUDY CONTROL NO. □ QUICK FIX □ OTHER C. 25. 432. 3 30 mechanics. DPERSTONS **COST BENEFIT ANALYSIS REPORT** 196 erech source 4 JOVIENCE TI PROGRAM PRODUCTIVITY IMPROVEMENT SUMMARY **DGY INSERTION ENGINEERING** one deport uson 50,00 Showid DATE \$30/89 * Chauge TEM NO. NOON Supervision BENEFIT OF CHANGE PROPOSED METHOD with the CURRENT METHOD Section 200 SERVI, J PROGRAM 0 ACC ALL TECH! ALC

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APPENDIX A
E046B STANDARDS, 1988, 1989

2110	LAB	STANDARD	MASTER FILE			100	1	A-E(1468-iA	-E0468-3M3-MX-29	0	PAGE	-	
ROC FAC CTL J	O. P. M. S. S. S. S. S. S. S. S. S. S. S. S. S.	OPERATION	DESCRIPTION	NÖ	SKILL	L OCCUR	COUNT	TYPE \$10	S T O	LAST	OPER	A/8 C0	FLOW	
METPOC - 00210 B	″₹	CAPSTAN	99268-04	2 1 0 N	*	1.00	EA	z	4.12	82287		×	°.	
MTPCC 1 00210 B	45373	CAPSTAN	99289-04	2 1 ON	8	1.00	EA	2	4.12	82287		×	•	
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MTP00 10 00210 B	•	×	OAPSTAN \$9289-04	70	>	1.00	EA	2	4.12	88251		×	٥.	
arec: 00210	200		WA PU 6186	2028	*	1.00	EA	z	4.90	82044		¥	°.	
MTPCC 4 00210 8	80175	BATT MA-4	MS24497-1	202N	×	1.00	EA	z	5.40	82051		¥	°.	
MTPCC: 4 \.00240\B	.80176		MS24497-5	202N	*	1.00	EA	2	4.00	82051		×	0,	
ET 600 4 000 10 10 177	80177	BAT-1NS	7888701-11	2028	>	1.00	EA	2	4.00	82051		×	٥.	
MTPCC 1 00210 8	80180	BATTERY		1 1 2N	8	1.00	EA	2	.80	81353		×	٥.	
1 00210	80185	BATTERY		1 1 2 M	8	1.00	EA	z	. 80	81353		×	°.	
1 00215	80026		CAPSTAN 99289-0	•	*	1.00	EA	z	4.12	88251		×	o.	
1 00215	80027	RUDDER CAPSTAN	STAN 99289-04		8	1.00	EA	z	4.12	88251		×		
-	80028	ELEVATOR C	CAPSTAN 99289-04	40	*	1.00	EA	2	4.12	88251		×	°.	
-	80168	CK-181-REP	MA PU 6156	202N	*	. 00	EA	z	4.90	82044		×	°.	
•	80175	BATT MA-4	MS24497-1	202N	>	1.00	E A	z	5.40	82051		×	°.	
*	80176	BATT-A/C	MS24497-5	202N	*	1.00	EA	z	4.00	82051		×	°,	
*	80177	BAT-1NS	1388701-11	202N	*	1.60	EA	2	4.00	82051		¥	o,	
_	80166	CK-IST-REP	WA PU	202N	&	1.00	EA	z	4.90	82044		×	0.	
4 60220	80175	BAT MA4		202K	*	1.00	EA	2	5.40	82051		×	°,	
*	80176	BAT A/C	MS24497-B	2028	*	1.00	EA	z	4.00	82051		×	°.	
-	80168	CK-TEST WA		0 N I	8	1.00	EA	2	4.90	80167		×	°.	
•	20175	BATT MAA	MS24497+1	00 th	*	1.00	EA	2	5.40	80167		×	°.	
* •	80176		MS244B7+5	0 1	*	1.00	EA	2	4.00	80167		×	°.	
•	80177	BATT INS	788870+11	00 N	₩	1.00	EA	2	4.00	80167		×	•	
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MITT	Ľ	ABOR STANDARD MASTER FILE	MASTER FILE		•	04/30/89		1-E04	16B - MM	A-E0468-MM3-MX-290	•	PAGE	8
RGC FAC CTL	OPER	OPERATION D	DESCRIPTION	X O	SKILL OCCUR	UR COUNT		TYPE STO H	STD	LAST C REVIEW	OPER	A/R CD	FLOW
	7.0	BATT MA	MS24487+1	S 00	BV 1.0	.00	EA	z	8.40	80167		×	°.
MTPCC 4 00260	8 20176	BATT- A/C	MS24497+5	0 0 X	BY #.0	00.	EA	z	4.00	80167		×	0.
STATE OF THE PROPERTY OF THE P	7410E00#8	T. BATT	7886701+15	100	». · · ·	00.	EA	-	4.00	19108		*	o,
# + # + # + # + # + # + # + # + # + # +	8002	ALERON CA	ALLERON CAPSTAN 99289-0	•	B	٥.	EA	-	4.12	88251		×	°.
MTPCC 1 00280	80028	ELEVATOR CA	CAPSTAN, 99289-04	40	BY 1.0	00.	EA	2	4.12	88251		×	0
MTPGC 4 ** 00286	. B Bot78	BATT MA-X	10024487-1	202N	BY 1.6	00.	EA	-	5.40	82051		×	o.
#TP00 4 00289	4,	BATT-A/G #824487-	MS24487-8	202H	*	00.	EA	-	4.00	82051		×	°.
MTPCC 4 00280 B	80808	BAT-185	7888701-11	302N	va	1.00	E/ »	•	4,00	82051		¥	o,
MIPOC 1 . 00286 B 8002	- B - W B 00 2 6	ATLERON CA!	AILERON CAPSTAM SS288-0-	*	BY 1.0	00.	EAN	•	4.12	88251		×	o.
#FPC0 + 0.002## # 0.#062		ELEVATOR CA	CAPSTAN . 88288-04	*0	BY 1.0	.00	EAN	-	4.12	88251		¥	o.
MTPCC 4 00285	80178	BATT MA-4	MS24497-1	202N	3. T T. C	00.	EA	2	5.40	8205		¥	•
>- • .♥		BATT-A/C	MS24497-8	202N	BV 1.0	00.	EA	-	4.00	82051		¥	ć,
BTPGC 4 00288 B		BAT-INS	7888701-11	202H	BV 1.0	00.	EA N	2	4.00	82051		*	o.
-		BB2 CONV W	W/S WIPER DIB716	1 - 9 :	8Y 1.0	00.	EA	z	<u>.</u>	81137		¥	°.
MTPCC 1 . 00418		852 CONV #/	M/S MIPER DISTIG-1	1-1	BV 1.6	00.	EA	2	ē.	81137		×	o.
MIPOC 1 DOBES	A DOM TO	PAINT			۸۷ ۱.۰	00.	EA	2	1.00	87335		¥	o,
-	30800	TOR ENG ACCYS	3.4.S	102H	DV 1.0	00.	EA	2	.86	82044		¥	٥.
MTPGC 1 23009	20800 D	TON ENG ACCYS	27.5	3 I I	DV 1.00	90	EAR	-	. 86	82044		×	o.
· 🚣	0.000 0	TOR ENG ACCYS	24.5	1028	1.1	00.	EAR	-	. 86	81018		¥	°.
_	0 001805	TOR ENG ACCYS	SAS	102N	DY 1.00	00	EAN	_	.86	81015		×	o,
MTP00 1 23103	A . GOMS3	OH/REP IGNI	IGNITION TRANSFORMER	RMER	DV 1.00	00	EA	2	•	84361		¥	o,
'} ••••	. A COMB.	CABLE	42	42189	DY 1.0	.00	EA	2	5. 10	84361		×	o,
	A 00M55	CABLE	42190		0.1	00.	EAR	-	5.00	86303		¥	o.
	A. COMSE	CABLE	42181	•	DY 1.0	00.	RA R	-	4.30	84361		×	°.
SWOO A DOSEN - COME	A. COMST	CABLE	42347	4.7	1.6	.00	EA	2	4.20	84361		×	°.
MTPCC 1 23103 B	B 00M69	MISC CABLE			DV 1.0	00.	EAN	_	2.50	85297		¥	٥.

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Mary Coll Mary		LAB	BOR STANDARD MASTER	ER FILE		04/	04/30/89	A . E	1468 - MM	A.E0468-MM3-MX-290	PAGE	ო	
CABLE 42189 DY 1,00 EA N -40 84361 N CABLE 42189 DY 1,00 EA N 5.00 84361 N CABLE 42189 DY 1,00 EA N 5.00 84361 N CABLE 42181 DY 1,00 EA N 4.30 84361 N CABLE 42181 DY 1,00 EA N 4.30 84361 N CABLE 42181 DY 1,00 EA N 4.30 84361 N CABLE 42181 DY 1,00 EA N 4.30 84361 N CABLE 42347 DY 1,00 EA N 4.30 84361 N LEAD-LH 10-380411-1 111N DY 1,00 EA N 4.30 84361 N LEAD-LH 10-380461-1 111N DY 1,00 <th></th> <th>OPER SER</th> <th>OPERATION DESCR</th> <th>NOIL</th> <th>SKILL</th> <th>PACTOR</th> <th>COUNT</th> <th>TYPE</th> <th>STD</th> <th></th> <th></th> <th>FLOW</th> <th></th>		OPER SER	OPERATION DESCR	NOIL	SKILL	PACTOR	COUNT	TYPE	STD			FLOW	
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CABLE OH/REP CABLE		00MB3	OH/REP IGNITION	TRANSFOMMER	٥	1.00	EA	z	.40	84361	L	٥.	
OH/REP CABLE CA	_	00884	CABLE	42189	۵	1.00	EA	2	5.10	84361	ı	ó	
CABLE CABLE A2347 DV 1.00 EA N 4.20 84361 F CABLE EXCTR A/S/1 49110-102N DV 1.00 EA N .68 82044 K CABLE EXCTR A/S/1 49111 102N DV 1.00 EA N .68 82044 K	1.00	00100	P CABL		۵	1.00	EA	2	\$.00	86303	14	٥.	
CABLE EXCTR R/S/1 49110-102N DV 1.00 EA N 4.20 84361 F CABLE EXCTR R/S/1 49110-102N DV 1.00 EA N .68 82044 K	_	00100	CABLE	42191	٥	1.00	EA	z	4.30	84361	ı	o,	
CABLE EXCTR R/S/I 49110-102N DY 1.00 EA N .68 82044 K . CABLE EXCTR L/S/I 49111 102N DY 1.00 EA N .68 82044 K	<	00M57	CABLE	42347	۵	1.00	EA	2	•	84361		°.	
CABLE EXCTR L/S/1 49111 102N DY 1.00 EA N .68 82044 K	٠.<	00880	EXCTR			1.00	EA	*	.68	82044	¥	o,	
	<	00M51	EXCTR	49111		1.00	EA	z	.68	82044	×	o.	

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# TYC	3	BOR STANDARD MASTER FILE			04/:	04/30/89	A-E04	.68 - MM	A-E0468-MM3-MX-290	PAGE	4
RCC FAC CTL J	O S	OPERATION DESCRIPTION	ห้อ	XILL JOE F.	SKILL OCCUR	COUNT	TYPE STD H	STO HOURS	LAST OPER REVIEW IND	A \ CO	FLOW
MTP00 1 23301 A	٠.,	CABLE TC REAR 484340	: 0 2 N	٥,	1.00	EA	z	69.	82044	×	°.
MTPCC 1 23301 A	00.003	CABLE TO FRONT 481619	102N	۵	1.00	EA	z	. 93	82044	¥	°.
MT#60 1 23381.A	**************************************	MIS CABLE NEP	1028	٨	1.00	E	3	. 25	81015	×	°.
87900 1 23301 B 06860	00000		202N	۵	ő.	£ ¥	z	.34	82044	×	°.
MTPCC 1 23301 B	0.0465	CABLE EXCTR L/S/1 49111	202N	٥	33.1	EA	2	46.	82044	×	°.
() •••	OGMET	CABLE 1/6 REAR 484340	202N	٨	1.00	Ε¥	2		82044	×	o,
	00110	CABLE TO PHONT 481619	202N	٥	1.00	EA	2	. 48	82044	×	°,
MTPCC 1 23301 B	0000	MISC CABLE REPAIR	202N	λQ	1.00	EA	2	. 25	82044	×	0
••	00880	O/H CABLE 40780		۵	1.00	EA	2	1.36	86336	×	ó
	•	~ C/H CABLE 434505		۵	1.00	EA	2	.93	86322	×	°.
MTPCC 1 23302 A	00100	O/H CABLE 41039		٨	1.00	EA	2	4.21	86336	×	°.
-	001164	0/H CABLE 41038		۵	1.00	EA	2	4.21	86336	×	°.
MTPGC 1 23308 A	00100	CABLE 40780	1028	۵	1.00	EA	2	1.36	81015	×	°.
MTPCC 1 23305 A	001121	SWITCH 481695		۵	1.00	EA	z	2.05	87113	×	°.
MTPCC 1 23305 A	001152	CABLE 434505	1028	۵	1.00	EA	2	. 93	81015	¥	°.
MTPOC 1 23306 A	00003	HARNESS ATOSB	1028	۵	00.1	EA	z	4.21	81015	×	٥.
MTPCC 1 23305 A	000054	HARNESS 41038	102N	٨	1.00	EA	2	4.21	81015	¥	°.
MTPGC 1 23308 A	0.0	MISC CABLE REPAIR	102N	>	1.00	EA	2	. 25	81015	×	o.
MTPOD: 1 23305 A	· 00M83	ENGINE ACCESS	102N	۵	1.00	EA	z	11.10	82044	¥	•
MTPCC 1 23305 A	CBM61	CABLE TR REAR	102N	۵	. 00	EA	2	.68	81015	×	٥.
#TPOC 1 23305-B	0.01651	SWITCH 377102	202N	۵	1.00	EA	2	2.05	82051	¥	°.
MTF00-1 23308 B	001652	CABLE 434505	102%	۵	1.00	EA	z	.27	81015	×	°.
MTPCC 1 23305 B	001163	CABLE 41039	102N	۵	1.00	EA	2	06.	81015	×	°.
MTPGC 1 . 23305 B	00864	CABLE 41038	1028	۵	1.00	EA	z	1.59	81015	×	°.
MTPGG 1 23305 B	00000	MISC CABLE REPAIR	102N	۵	1.00	EA	z	.33	81015	×	°.
-	CBMS	CABLE TC REAR 421486	102N	Ď	1.00	EA	z	.77	81015	×	0,

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MTPC		LAB	LABOR STANDARD MASTER FILE		•	04/30/89	A-EO	468-MM	A-E0468-MM3-MX-290	PAGE	ю
RCC FAC	CTL	OPER	OPERATION DESCRIPTION	3 XX 3	SKILL OCCUR	COUNT	STD	STO HOURS	LAST OPER REVIEW IND	A/R CD	FLOW
0 1 2 CO 1 1 CO 1 1 CO 1 1 CO 1 1 CO 1 1 CO 1 1 CO	23306 #	COMBO	CABLE 40780	tozn DV	1.00	EA	2	. 22	81018	×	o.
MTPCC :	23307 A	008800	CABLE 41804	106N DY	۲ 1.00	EA	z	4.01	81137	×	٥.
STFOC T	4. 7000x	TOWN CO	HI-TENS LEAD	102N DY	1.00	EA	2	4.29	81015	×	0,
#1900 A 1900 A 300	#3307 A		016187	106N DV	1.00	EA	z	1.01	82044	×	o,
MTPCC	23307 A	0.0883	CABLE 481819	106N DY	۷ 1.00	EA	z	1.01	82044	¥	°.
* Tracer	A- 70868	89400	本に分 の人事に称、かれず	TO NOOT	1.00	EA	2	. 33	81137	×	°.
800 4 8086H - 00418	4 8000N	09800	CABLE 42083	102M DY	4 t.00	EA	2	4.66	81017	×	0,
MTPCC 1	23309 A	COMB 1	CABLE 42054	102N DY	۲ 1.00	EA	z	4.66	81017	¥	o.
BTPOG. 1	4. 8055X		CABLE 434505	102W 5V	1.00	EA	2	. 83	81017	×	°.
#TF00 1 23508 A	12300	**************************************	BISC CABLE	102N DY	00 · 1 · 00	EA	2	. 25	81017	¥	o.
MTPCC	23309 B		CABLE HT 42054	102N DY	1.00	K.3	2	. 93	81017	¥	٥.
MTPGC +	13309 B	00000	MISC CABLE REPAIR	TO NEOT	1.00	EA	2	. 25	81017	¥	o.
#TPCC 1	23309 8	CBMSO	CABLE 42053	102N DY	00.1 Y	EA	Ż	.68	R1017	×	o.
MIPCC	23313 A	0 0 M 1 B	O/H CABLE 419323	٥	4.00	EA	z	1.86	86256	¥	°.
MTPCC 1	23313 A	00860	O/H CABLE 448617	> 0	۷ ۱.00	EA	2	1.86	86256	×	o.
MTPOC 1	23313 A	0.0853	RECOND CABLE 10-166496-1	A	۲ 1.00	EA	2	.83	86259	×	٥.
MIPCC	23313 A	00M54	O/H CABLE 10-166497-1	λO	1.00	EA	z	. 85	86256	×	٥.
BTPOC 1	23313 A	00455	O/H CABLE 10-168498-1	٥	1.00	EA	2	.77	86256	×	°.
MTPOC 1	24101 A	90700	TF4: TS TEMP BOX 686:895	S .	4.00	EA	z	.71	86220	×	٥.
MTPCC 1	24101 A	001167	TF41 THERMO T-1 6866874	40	V 1.00	EA	z	. 73	86209	¥	o,
STPGG 1	24101 A.	001100	TF41 LEAD ASSY R/H 885	171 DY	4 1.00	EA	z	.90	86212	×	o,
RTPOC	Z4101.A	-00868	KISC CABLE REP	102N DY	1.00	EA	z	. 25	81017	×	o.
-	24101 A	00810	TF41 PWR HARNESS 6868773	3 04	1.00	EA	z	8.33	86223	×	°.
-	24101 A	00873	TF4: THERMAL BLUB 6861673	73 07	1.00	EA	z	.80	86139	¥	٥.
•	24101 A	47800	TEAT PRESS F/SWITCH 6866300	8300 DV	1.00	EA	z	.97	86139	×	o,
	24101 A	00875	TF41 T5 HARNESS 6861778	٥,	1.00	EA	2	. 68	86190	×	°.

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2			L A B(ABOR STANDARD MASTER FILE	/*0	04/30/89	A-E04	68 - MM;	A-E0468-MM3-MK-290		PAGE	9
RCC FAC	7.0	76	9.5	ESCRIPTION	SKILL OCCUR	COUNT	TYPE STO H	STD HOURS	LAST OF	OPER	A/R CO	FLOW
	2 2 2 2 4 4		00476	TEA: THE MADNESS FOS 6866872 DV	1.00	EA	z	.77	86190		×	٥.
			00477		1.00	EA	z	. 17	16191		¥	•
2004		. «	84.40		1.00	E A	2	90	86192		×	o,
			00000	TF41 BER CABLE	1.00	EA	z	80	88012		×	•
	24101			1 TS TEMP	1.00	EA	2	.53	86220		¥	٥.
2004.4	10176			I	1.00	EA	2	4	86209		×	0.
MYPOG 1 24 FG 1	24.101	45	OOMER		1.00	EA	z	.67	86212		×	o,
0000	24101		694600	MISC CABLE 111N DY	1.00	EA	z	. 18	81332		¥	o.
MTBOG	24101			TEAL PWR HARNESS 6868773 DY	4.00	EA	2	6.24	86223		×	o.
2419	24101				4.00	EA	2	.37	86139		¥	°.
T CCC	24101				1.00	EA	z	.73	86139		×	0.
000413	24101				v 1.00	EA	2	ž,	86190		×	°.
MT 000	24101			TF41 15 HARNESS POS 8866872 DY	4.00	EA	z	. 57	86190		¥	٥.
TPCC	24101			TF41 15 HARNESS NEG 6866873 DY	۲ 1.00	EA	2	.57	86191		¥	°.
Table	24101		001178	TF41 LEAD ASSY L/H 8865872 DY	1.00	EA	z	.67	86192		¥	o,
are of	24101			REP TF41 REM CABLE 23004350 DV	4.00	EA	z	.37	88012		×	o.
2000	24101	ď	001106	TOR ENG ACCY TF41A1 102N DY	۲ ، ۵۵	EA	z	1.00	81017		¥	°.
a trans	74102		00100	13	1.00	EA	2	. 68	81017		×	°.
ETPOC 1	24102		001152	WURKHORSE HARNS 6867264 102N DY	1.00	EA	2	<u>.</u>	B1017		¥	o,
T DOGL W	24102	<	0 O M 5 9	TF41 LEAD ASSY TS 6865848 DY	۲ . 00	EA	z	.68	81017		¥	°.
- 00014	24102		00100	T-41 TS TEMP BOX 6861895 DY	1.00	EA	2	.71	86220		×	o,
200	24 502		00100	TF41 THERMO T-1 6866679 DY	٧ ، ٥٥	EA	2	.73	86209		¥	°.
	24102 A				۷ 1.00	EA	z	06	86212		×	•
000	94102	. ◀	0.046.0	MISC CABLE REPAIR 102N DV	۷ ، ۵۵	EA	2	. 25	81017		×	o.
	24102 A	<		*	٧ ، ۵٥	EA	2	1.00	85081		×	°.
MTPCC 1	24102 A	. ∢	00M73	TF41 THERMAL BLUB 6861673 DY	٧ ١.٥٥	EA	z	.50	86139		¥	o .

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MTFG	LAB	OR ST.	AUNA	ABOR STANDARD MASTER	FILE		04/	04/30/89	A-E	1468-MM	A-E0468-MM3-MX-290	0	PAGE		
RCG FAC CTL	CTL L OPER	OPERATION	AT10	IN DESCRIPTION		SKILL	FACTOR	COUNT	STO	STD	LAST	OPER	¥/a CD	FLOW	
STROC 1 24182 A BOST	A .00874	1744		TOTABOL MARKET	OF 8865300	À	1.00	EA	z	.87	86139		×	°.	
MTPCC 1 24102 A	A 00M75	1641	5	LEAD ASSY	6866304	ò	1.00	EA	z	. 68	86190		×	ó	
THOO PARTIES OF STREET	-	OTFAI	2	HARNESS PO	POS 6866872	Þ	1.00	EA	2	.77	16191		×	°.	
STPOC 1 KAIGE A CORT	-	1641	13	CHARMESS NEG 686887	10 6868873	40	1.00	EA	z	.77	86191		*	°.	
MTPCC 1 24102 A	A 004178	1641	LEA	LEAD ASSY L74	L/H 6865872	۵	1.00	EA	z	6	86192		×	°.	
MTPOC. 1 SA 108	C. COUNCE	101	ENC	ACOV TP41-A2	-A2 106N	λα	1.00	EA	2		81140		¥	o,	
MTPOC 1 14164 G 0080		From	78.41	1-A400 ENG	ACCY 102M	۵	4.00	EA	z	1.22	81020		×	o.	
MTPCC 1 24402 A	A 00M10	RECODE		ERS HARNESS	5 23006811	٥	1.00	E A	z	1.00	87266		<	o.	
THE COUNTY SANGE	A .00M88	A M	1841	TB TEMP	BOX 6879618	A	1.00	EA	2	.7.	87265		<	°,	
BTPOCT 24402 A	A . 00ME7		1641	THERMO'F!		2	1.00	EA	2	. 73	87266		<	°.	
MTPCC 1 24402 A	A 00M68	3.00	1541	LEAD R H	6892439	٥٨	1,00	EA	z	0	87266		<	o,	
MIPOGNI NEMADEN	A	200	TF 4:1	PER KARRESS	ESS 6893136	A	1.00	EA	2	8.33	87266		×	o.	
BTP00 - 1 2440% A		TST	TF 41	THERM BULE	LE 6861673	٥	1.00	EA	2	0	87267		<	•	
MTPCC 1 24402	A 00M74	REP	TF 4 1	F PRESS	SW 6866300	۵	1.00	EA	z	.97	87267		×	°.	
1 .24402	A 00M75	2 M	1541	TS LEAD	6888304	۵	1.00	EA	z	. 68	87267		¥	٥.	
1 24402	A 00M76	a w	TF 41	TS HARN	POS 6869697	>	1.00	EA	z	. 11	87267		<	٥.	
MTPCC 24402 A		REP	TF41	TS HARN	NEG 6869696	۵	1.00	EA	z	.77	87267		<	o,	
. MTPGC 11 . 24402	A . 00M78	2 W	TF 4.1	LEAD L H	6892440	۵	1.00	EA	2	9	87267		<	°.	
## PPOC 15 - 24404 # - 00410	B 001810	RECODE		TF41 EMS H	23008119	> 0	. 00	EA	z	. 75	87273		∢	o.	
MTPCC 1 24402 B	B 00M51	REP	1541	T3 HARN	5869984	ρ	1.00	EA	z	Ē.	87278		⋖	°.	
-MTPCC (120 24402)#	\$.00MGE	474	1641	TE JUNG BOX	BOX 6879616	۵	1.00	EA	z	. 83	87273		<	o.	
#TP00 1 X2402 B 00MG	B . 00467	REP	1541	7	THERMO 6869997	٥	1.00	EA	2	40	87273		<	٥.	
MTPCC 1 24402 B	B 00M68	35 G' 31	TF 41	IGN LD R	H 6892440	۵	1.00	Æ	z	.67	87273		<	°.	
MIPOCOL STRACTS	# 00M70	200	1841	PWR HARNESS	ESS 6899452	A	1.00	EA	2	2.10	87272		<	0,	
ATPOC 1 24404 B	B 00M78	REP	1841	TS HARR	POS 6869697	2	1.00	EA	2	78.	87273		×	°.	
MTPCC 1 24402 B	8 00M77	REP	TF41	TS HARN	NEG 6869696	A	1.00	EA	z	.67	87278		⋖	°.	
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MIPC	LAB	LABOR STANDARD MASTER FILE	•	04/30/89	A-E046	B - 184K.	A-E0468-MM3-MX-290	PAGE	80
RCC FAC CTL J	OPER MO		SKILL OCCUR	COUNT	TYPE STD HO	STD HOURS I	LAST OPER REVIEW IND	A/A CD	FLOW
STPOG 1 24401 B 008	00878	REP TF41 LEAD L/H 8892439	DY 1.00	O EA	2	.67	87278	<	°.
MTPCC 1 24402 B 0	00M79	REP TF41 T1 LEAD 6869997	DY 1.00	O EA	z	.37	87278	<	o.
WITHOC A WARTAN A	2	LEAD 10-104818-1JB7-43 102N	DV 1.00	6 EA	2	.68	8 1022	*	°.
STRUC L ASTAS A DOS	23	LEAD 10-111800-1 JE7-43 102N	DV 1.00	0 EA	3	. 30	88187	¥	o,
MTPCC 1 28743 A 0	00112	LEAD 10-160116-1 J57-43 102N	DY 1.00	0 EA	z	.68	81022	×	°.
#TPOC 1 (28748) A (0	00000	LEAD .10-186(118-1 JS7-43 102N	DV 1.00	0 64	z		81022	*	0.
BIFOC 1 28743 A COR	4 Dall 0	HANNESS JE7-43 348282 207N	by 1.00	O EA	z	.93	82191	L	ø.
MTPCC 1 28743 A 0	00000	HARNESS 323145 J57-43 102N	0V 1.00	0 EA	2	.93	81022	¥	•
BTPGG INSBUGG A WAR	\$ 5#0 C	CABLE 10-168481-1 US-43 102N	DV 1:00	0 EA	2	48	81022	×	°.
		CABLE 10-111408-1 102N	DV 1.00	O EA	3	8	81022	×	0.
MTPCC 1 25743 B 0	9800	MICS CABLE REPAIR 102N	DY 1.00	O EA	2	. 25	81022	<	°.
STREET STREET STREET	09400	LEAD 10-106615-1	DY 1.00	0 . EA	2	. 63	89027	<	ó
#1900 A #878# A 000#	10000	LEAD 10-11:800-1	DY 1.00	0 EA	z so	80	89027	<	ó
MTPCC 1 25759 A 0	001162	LEAD 10-160116-1	DY 1.00	0 EA	2	.68	89027	<	<u>°</u> .
1 28789' A	COM63	LEAD 10-180115-1	DY 1.00	O EA	2	.68	89027	<	°.
1 25759 A	COMB 4	HARNESS 348282	DV 1.00	O EA	2	. 83	89027	<	°.
MTPCC 1 25759 A 0	0.01855	HARNESS 323148	DY 1.00	0 EA	z	e .	89027	<	o,
-	. 95#00	CABLE 10-166491-1	DV 1.00	O EA	z	87	89027	<	°.
#1700 1 1878# A X 0044	1 0 0 mg 7	CABLE 10-111805-1	DY 1.00	0	2	48	89027	⋖	•
MTPCC 1 25759 B 0	COMCO	MISC CABLE REPAIR JS7-59	DV 1.00	0 EA	2	. 25	89027	<	o.
MTP00 1 × 278(4 A .0	30M25	J78 THR LEAD FLEX 108C2889P1	DY 1.00	0 EA	2	.03	83176	¥	°.
2100 A 44814 4 0081	00000	J79 CABLE IGN 41825 306N	DV 1.00	0 EA	2	.47	83176	×	٥.
MTPCC 1 27814 A 0	001135	J79 LEAD MAIN #2 8170377P2	0V 1.00	O EA	z	.54	83176	×	•
	-09840	J79 CAB 1GN MAIN 108C52#2P1	DY 1.00	0 EA	2	. 83	83176	×	°.
	0.000.4%	J79 LEAD IGN A/8 8120833P3	DV 1.00	0 EA	2	.48	83176	×	°.
	OSMCO	J79 THR LEAD RIG 106C2691P2	1.00	0 EA	2	50.	83176	×	0
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MIPC	LAB	BOR STANDARD	ANDAR	D MASTER	TER FILE		40	04/30/89	A-EO	468-WM	A-E0468-MM3-MX-290	PAGE	61	
ACC FAC CTL J OPER	00 SE	OPER	ATION	DESC	OPERATION DESCRIPTION	SKILL	SKILL OCCUR	COUNT	STD	STD HOURS	LAST OPER REVIEW IND	^ 800 800	FLOW	
BTF0C 1 87814.1		#45 PM	KLEGY	CABLE	1 30 tBM 18P1	à	4.00	EA	2	4.	83176	×	°.	
MTPCC 1 27814 A	00863	947	CABLE	ASSY	5014M45P02	٥	1.00	EA	z	. 57	83176	¥	o.	
ETFORST STRIKE	S 3000 1	- 84D, 836	CEAD	100	10888422P1 306N	AQ .	1.00	4	2	. 80	83176	×	°,	
#FF00 1 27814 A 00870			CABEE		# 170878P01	>	, 1	73	2	2.75	88182	×	°.	
MTPCC 1 27914 A	008715	877	CABLE		10582411P2 306N	٥	1.00	EA	z	8	83176	¥	°.	
1 1 2 7 2 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	142 00 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	. 817B	THE	THREEFER	EX 10602689P	A	.1.00	EA	2	.02	83176	×	•	
STREET - 278 (4 B 0083)	00830		3	3	CABLE ION 41825 306N	2	1.00	ÉA	2	.02	83176	×	°.	
MTPCC 1 27814 B	00M35	179	LEAD	LEAD MAIN #2	12 617037792	٥	1.00	EA	2	. 02	83176	¥	°,	
MTP00%1.747814	00840	378	CAB.	CAB. TGN MAIN	IN 106C5282P1	۵	1.00	3	2	.02	83176	×	°.	
STF00 - 27814 B	900	370	LEAD	LEAD TON A/B	THE RESTORAGE	ò	1.00	EA	z	.02	83176	¥	°.	
MTPCC 1 27914 8	001120	975	THR L	LEAD RI	RIG 106C2691P2	ρ	1.00	EA	z	. 02	83176	¥	°.	
MTPGG~***********************************	MSWOO!	378	ELECT	CABL	ELECT CARLE SOISHIBP:	۵	1.00	EA	z	.02	83176	¥	o,	
# 71#1% - OO-1#	98000 1	945	CABLE		ASSY 8014845902	ă	1.00	EA	z	. 02	83176	×	°.	
MTPCC 1 27914 8	39M00	470	LEAD IGN		10585422P1 306N	٥	1.00	EA	z	.02	83176	¥	°.	
MTPGC 1 27814 B	00870	375	CABLE		ASSY 8170878P01	٨	1.00	EA	2	. 03	88182	×	ø.	
mrboc 1 27814 B	1 00876	378	CABLE	10582	10582411P2 306N	۵	1.00	EA	z	.02	83176	¥	o.	
MTPCC 1 27915 A	00825	975	LEAD THR		FLEX 106C2689P1	۵	1.00	EA	z	. 55	81290	¥	°.	
MTPOC 1 27815 A	. 00830	419	CAB 1	GNI TEC	CAB IGNITION 41825 108N	ò	1.00	EA	2	. 47	81290	¥	°.	
8000 X 4 800 A A DOCUMENT	95.000	379	LEAD	LEAD MAIN IGN	GN 8170377P2	۵	1.00	EA	2	. 54	1001	¥	°.	
MTPCC 1 27916 A	001140	975	CAB	MAIN 10	IGN 108C5282P1	۵	1.00	EA	2	. 53	81290	×	٥.	
MTPGC.(1 27948 A	97800	379	LEAD IGN		A/8 5120833P3	20	1.00	EA	z	. 48	81316	×	o,	
MTP00 1 27818 A	00000	27.0	THR LEAD		NIG 108C26B1P2	À	1.00	EA	2	80	81290	×	o,	
MTPCC 1 27918 A		975	ELECT	CABLE	CABLE 3015M19P1	ò	1.00	EA	z	4.	81290	¥	°.	
- MTPOGUATION 278 (BY A	09400	279	CABLE		ASSY BOIGHABBO2	۵	1.00	EA	2	. 57	81301	¥	Ď,	
MTPOC 1 27815 A COMEE	1 OOMEE	378	LEAD	10N 10	LEAD IGN 10585422P1	۵	1.00	EA	2	8.	81301	×	°.	
MTPCC 1 27918 A	001110	970	CABLE	ASSY	5170579P01	Þ	1.00	EA	z	2.75	88182	×	°.	

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MIPC	LABOR	OR STANDARD MASTER FILE	04/	04/30/89	A-E0468-	A-E0468-WM3-WX-290	PAGE	10
RCC FAC CTL J OPER	0.05 S	OPERATION DESCRIPTION SKILL CODE	L OCCUR	COUNT	STD HOURS	D LAST OPER IS REVIEW IND	A/A C	FLOW
B1900 1 27818 A	00878	JTB CAB SPEC PUR 10582411P2 DY	1.00	4	2	50 \$1315	¥	o,
MTPCC 1 27915 B	00M25	J79 LEAD THR FLEX 106C2689P1 DY	1.00	EA	٠. ع	02 82233	¥	°.
2000年1日の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本の日本	00830	JTB CAB IGNITION AIR25 109N DY	1.00	EA	2	02 82233	×	0,
15400	100	J79 LEAD MAIN ION 5170377P2 DV	1.00	£ >	2	02 82233	×	°.
MTPCC 1 27915 8	00#40	J79 CAB MAIN IGN 106C5282P1 DY	1.00	EA	5.	02 82233	×	•
MTPDC 15 47815 8	37800 ·	JTB LEAD 10W A/8 BIZOBSSPS DV	1.00	EA	x	02 #2233	×	٥.
BTF00 - 478-6 8 0085	99800	J79 THR LEAD RIG LOSC2691P2 DV	1.00	43	2	02 #2233	¥	°.
MTPCC 1 27915 8	001165	J79 ELECT CABLE 3015M19P1 DY	1.00	EA	z	02 82233	¥	°.
**************************************	09800	J79 CABLE ASSY BO14845P02 DV	1.00	EA	2	02 82233	×	°.
#1700 + 178-6 B 0080	0000	LEAD ICH TORBEAZZP! DY	1.00	EA	Z	02 82233	¥	•
MTPCC 1 27915 8	00870	J79 CARLE ASSY B170579P01 DY	1.00	EA	¥.	03 88182	¥	°.
-	00878	J78 CAB SPEC PUR 10582411P2 DY	1.00	EA	2	02 82233	×	٥.
MTPGC 1 27917 A	00W22	J79 SWITCH BO32829PO1 DY	1.00	EA	₹. 2	50 83104	¥	o,
MTPCC 1 27917 A	00425	J79 LEAD THR FLEX 106C2689P1 DY	1.00	EA	*:	55 81290	×	° .
MTPGC 1 27917 A	00400	J79 CABLE IGN 41825 DY	1.00	EA	*. 2	47 81290	×	٥.
MTPGC 1 27B17 A	001135	J79 LEAD MAIN IGN B170377P2 DV	1.00	EA	2	84 81290	×	°.
MTPCC 1 27917 A	00140	J79 CAB MAIN IGN 106C5282P1 DY	1.00	EA	z	53 81290	×	٥.
MTPOC 1, 27817 A	001445	J79 LEAD IGN A/B 5170818POL DY	1.00	EA	2	48 81290	×	٥.
19 64 19 19	.00460	J79 THER LEAD RIG 108C2891PZ DY	1.00	EA	*; 2	55 81290	×	٥.
MTPCC 1 27917 A	00112	JTB ELECT CABLE BOSSM75PO! DY	1.00	EA	*. Z	45 81290	¥	° .
MIPOC. 1 . 27817 A	00860	J79 CABLE ASSY BO14845P02 DV	1.00	EA	2	57 81301	×	٥.
#1700 1 27817 A	OOMED	J9 LEAD IGN 10585422P1 DY	1.00	EA	*;	.50 81315	×	٥.
MTPCC 1 27917 A	00#170	J79 LEAD ELECT BO35M94PO! DY	1.00	EA	N 2.75	5 88182	×	٥.
MTP00 3.827817 A	00#75	JTS CAB SPEC PUR 1058241:P2 DY	1.00	EA	2	.50 B1315	¥	°,
MTP00 17 27817 A	00880	J79 ELECT LEAD BO32M26P02 DY	1.00	EA	*. 2	45 82219	¥	°.
MTPCC 1 27917 B	00M22	J79 SWITCH B032M28P01 DY	1.00	€≯	". Z	25 83260	¥	°.

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MTPC LABOR STANDARD MASTER	TER FILE		04/	04/30/89	A-EC	46B-1414	A-E0468-MM3-MX-290	PAGE	-	
RCC FAC CTL J OPER OPERATION DESCRIPTION		SKILL CODE F	L OCCUR	COUNT	STD	STD HOURS	LAST OPER REVIEW IND	A/R CD	FLOW	
81 to 20	LEAD THR FLEX TOSCOSSOFT	à	1.00	4	*	. 02	82233	×	o,	
MTPCC 1 27917 8 00M30 J79 CABLE IGN	41825	۵	1.00	EA	z	. 02	82233	×	°.	
STROOT STREET SORGE CTS LEAD MAIN	CEAD MAIN ION BITD377P2	>	1.00	EA	z	.02	82233	×	o,	
JYB CAB MAIN	ION TOECBERRE	۵		EA	2	. 02	82233	×	°.	
MTPCC 1 27817 8 00M45 J79 LEAD IGN A/8	/8 8170818P01	۵	1,00	E A	z	. 02	82233	×	°.	
ひいな ロマかば 出て」 のいつ のかまのか 一番 人と乗れれ 一 ひのえた第一	10 1060268192	6	1.00	*	z	.02	82233	×	ø.	
478	# 4658878901	4	1.00	E A	z	. 02	\$2233	*	0,	
MIPCC 1 27817 B DOMES JTG CABLE ASSY	CABLE ASSY BO14MASP02	٨	1.00	EA	z	.02	82233	×	°.	
STREET TO THE STREET OF STREET STREET STREET STREET	088842291	À	1.00	EA	2	. 02	82233	×	0,	
STROOT ATSTY B COSTO 178 LEAD BLECT	ELECT BOSSMOAPO!	۵	1.00	EA	z	. 03	88182	×	o.	
MTPCC : 27817 8 00M78 J79 CAR SPEC PI	SPEC PUR 10582411P2	۵	4.00	EA	z	. 02	82233	×	٥.	
MYPOCH STRIFF DOMEO JTB KLECT LEAD	KLECT LEAD BO32426FG2	à	4.00	EA	*	.02	83176	*	°.	
STOOL - STORE A . OCEAN . L'A SELTOR SOUVENBEON	2#29P01	40	1.00	EA	2	.00	83239	×	٥.	
MIPCC 1 27918 A GONZG J79 THR LEAD FLEX	LEX 106C2689P1	٨	1.00	EA	2	8	83187	×	٥.	
1. 27918 A DOMIN JTS CABLE IGN	41825	à	\$.00	EA	2	. 47	10100	×	٥.	
STPOC 1 27918 A GOMOS J79 LEAD MAIN	LEAD MAIN ION S17037792	۵	1.00	EA	z	. 84	53187	×	٥.	
MTPCC 1 27918 A 00M40 J79 CAB MAIN IC	CAB MAIN IGN 106C5282P1	λ	1.00	EA	z	. 53	83187	×	0.	
MIPOC. 1 - 27814 A. COMAS . J78 LEAD IGN A/8	/8 5170818P01	۵	1.00	EA	2	. 48	181187	×	•	
ZTBIS A COMBO J79 THER LEAD	RIG 1080269192	۵	1.00	EA	2	, 8 58	83187	×	٥.	
MIPCC 1 27918 A GOMBS J79 ELECT CABLE	E 5035475P01	٥	1.00	EA	z	4.	83187	×	°.	
MITTOD T 127818 A DOMEO 179 CABLE ASSY	CABLE ASSY BOILMABEGS	۵	1.00	EA	2	. 87	183.08	×	°.	
STPOC 1 27818 A COMES GTS LEAD TON TORSEA22P	058542271	4	1.00	. 84	*	. 30	18168	×	Ö	
MIPCC 1 27918 A OCM70 J79 LEAD ELECT	5035M94P01	۸	1.00	EA	2	2.75	88182	×	°.	
J79 CABLE SPE	PUR 10582411P2	۵۷	1.00	EA	z		83187	×	°.	
STFOC 1 . 27818 A . GOMEO . J79 LEAD ELECT	8032M26P02	۵	1.00	E	2	4.	83187	×	°.	
MIPCC 1 27918 B COM22 J79 SWITCH 5032M29PO!	2M29P01	٥	1.00	EA	z	. 25	83239	×	°.	

MTPC		I. AB	ABOR ST	STANDARD		MASTER FILE	п		04/	04/30/89	A-EC	45B-MM	-EC468-MM3-MX-290	PAGE	ñ	
RCC FAC	CTL J	OPER CA	0 P E R	OPERATION		DESCRIPTION		SKILL	FACTOR	COUNT	STO	STO HOURS	LAST OPER	A/A CD	FLOW HPS	
1 00418	#TFOG : 27818 8 0082	00020	278	THE P	LEAD 1	FLEX 106	106C26ESP1	۵	1.00	EF	Z	.02	83176	×	°.	
MTPCC 1	27918 8	001130	975	CABLE	CA	41825		٨	1.00	EA	2	. 02	83211	¥	•	_
BTPOC	- 77	85#00:	675	LEAD	MAIN 10N		817037792	λQ	1.00	EA	2	. 02	83176	×	•	_
BTP0C 1	BYPOC 1 2781C E 0084	07800	478	CAB M	MAIN	1GN 1080	106C5282P1	٥	1.00	EA	z	.02	83176	×	°.	_
MITTO	27918 8	00%48	278	LEAD	3	A/8 5170	170818701	٥	1.00	W D	2	.02	83176	×	٥.	_
BTPGC	279 (4.8 %)	00000	57.0	大田田田	THER LEAD AND		1066289192	D	1.00	EA	z	.02	83176	¥	°.	_
Wreoc 1	MTPOC 1 47918 8 0089	00000	378	ELECT		CARLE - SO35M75P0	175901	٥	1.00	EA	2	.02	83176	×	٥.	
MIFCC	27918 8	0.0000	977	CABLE	ASSY	Y 5014M45P02	15902	ò	1.00	EA	z	. 02	83176	×	°.	_
**************************************	12781838 ···	00888	378	LEAD	30	105854226	¥ 4	2	1.00	EA	z	.02	83176	×	٥.	_
#TF-00-1	#TF00 1 27#18 B 0087	00870	475	LEAD	ELECT	1 8035894PO	14901	۵	1.00	Z	æ	.03	88182	×	0,	_
MTPCC	27918 8	00875	875	CABLE	SPE	8 0	1058241162	۵	1.00	EA	z	. 02	83176	×	°.	_
MTPOC 1		00880	947	LEAD	ELECT	T BOSZMZ6POZ	16902	A	1.00	EA	2	•	83176	×	°.	_
MTP00 1 27819 A		00021	279	SWITCH		5032M29F01		۵	1.00	EA	z	80	83239	×	٥.	_
MTPCC 1		001125	877	THR	LEAD F	FLEX 106	1060268971	٨	1.00	₩ •	2	. 85	83187	∢	٥.	_
***	27818 A	00#30	278	CABLE	1 GN	4:825		A	1.06	EA	2	.47	83187	∢	°.	_
-	Z7Bis A	00835	915	LEAD	MAIN IGN		517037792	2	1.00	EA	2	.54	83187	∢	°.	_
MTPCC	27919 A	001140	970	CAB N	MAIN	IGN 106C528	5287Pt	>	4.00	EA	z	. 53	83187	∢	°.	_
MIPOC "1.	127818 A	90800	378	LEAG	NO	A/8 5170	5170818901	Ž.	1.00	EA	z	.48	83187	∢	o.	_
100011	BTP00 1 27919 A 0086	00000	378	THER	LEAD	RIG	10862891P2	۵	1.00	£	3	. 83	83187	<	°.	_
MTPCC 1	27919 A	00888	279	ELECT	CABLE	LE 5035M75P0	175201	٥	1.00	EA	z	. 43	83187	<	°.	_
BTPGC	27B18 A	05#00	417	CABLE	ASSY	Y 5014M45P0	15002	۵	1.00	EA	2	.57	83187	<	٥.	_
BTFOC	STROC 1 17848 A COM	00865	27.0	LEAD	10	105854222	. 4	Þ	1.00	EA	z	0	83187	∢	°.	_
BIFCC	27819 A	00110	378	LEAD	ELECT	T 6035M94P0	14P01	۵	1.00	E	z	2.75	88182	¥	٥.	_
BTPOC	27818 A	90875	378	CABLE	SPE	T	10582411P2	A	1.00	EA	2	98,	83187	<	°.	_
#100 T	ETPOO 1 27818 X 00ME	00000	270	LEAD	ELECT	T 5032M26P02	16902	۵	1.00	EA	2	4.	83187	<	°.	_
MTPCC 1	27924 A	00M25	947	LEAD	THR	FLEX 106	106C2689P1	٥	1.00	EA	z	10 10 10	81290	×	٥.	_
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(4	ATS 80	ABOR STANDARD MASTER FILE	TER FILE		/+0	04/30/89	A-EO	46B-MM	A-E0468-MM3-MX-290		PAGE	ũ
ACC FAC	CTC L	OFER OFFR	OPERATION	TION DESCH		SKILL CODE F	FACTOR	COUNT	TYPE	STD	LAST (OPER	A/A	FLOW
MTF00 1 27824 A 0083	X 2824	00830	378 C	CABLE IGN 4	4:#25	>	1.00	E	2	.47	81290		¥	°.
MTPCC 1	27924 A	00M35	J 876	LEAD MAIN 1	MAIN IGN 8170377P2	٥	1.00	¥ ¥	z	40	81290		×	°.
STP0001	12824 A	00840	0.00	CAB MAIN IG	IGN TOBCEZEZPE	۵	1.00	EA	z	.83	81290		×	Ö
Brroc - 27824 A 0084	17824 A	31200	.478 L	LEAD IGN AV	A/8 5120833F3	۵	1.00	EA	2	. 48	81318		×	°.
MTPCC 1	27824 A	00820		THR LEAD RI	R1G - 106C2691P2	۵	1.00	EA	2	0	81290		×	٥.
*TPOC 1	17824.A	00#28	3 847 F	LECT: CABLE	ELECT: DAGLE GOIBMISP:	۵	1.00	EA	*	. 22	88313		×	°.
BTFOC 1 27824 A COM	427		C) 8(2	CABLE ASSY	5014845P02	۵	1.00	EA	2	.87	B 1301		×	°.
MTPC0 1	27924 A	00000	27.07.0	LEAD IGN 10585422P	3585422P1	ργ	1.00	EA	z	9	81301		¥	°.
BTFOG	17924 A	OCHOS A	278 C	CABLE ASSY	ASSY #170879P0:	A	1.00	£¥	z	2.75	88182		×	٥.
STRUCT 1 17824 A COST	17824 A	0007	J78 C	CAR SPEC PL	SPEC PUP 10582411P2	à	1.00	EA	2	.80	88308		×	°.
MTPCC 1 2	27925 A	00822	J78 S	SWITCH BO32M29P01	2M29P01	٨	1.00	EA	z	20	83104		×	о .
MTPOC VIV. 1	17926 . A.	00M2W	J78 E	EAD THR FL	LEAD THR FLEX TOUCZEBBP1	à	1.00	EA	z	10 10	B 1290		×	٠.
MTP00 1 27825 A	27825 A		278 C	CABLE IGN 41825	11825	۵	1.00	EA	2	.47	81290		×	٥.
MTPCC 1 2	27925 A	00M35	J 815	LEAD MAIN IGN	IGN 5170377P2	۵	1.00	EA	2	4.0°	81290		×	٥.
*	27825 A	00840	278 C	CAB MAIN IG	IGN 104C5282P1	٥	1.00	EA	z	s.	81290		×	°.
15,	27828 A	00818	278 L	LEAD IGN A/B	/8 5170818PO1	۵	1.00	EA	2	.48	81290		×	°.
MITPOC 1	27925 A	00000	1 875	THR LEAD RI	RIG 106C2691P2	۵	1.00	€ \$	z	10 10	81290		¥	°.
MTPGG:1	17828°A	3 0 0 M 5 5	378 E	ELECT CABLE	E SOJSM75POI	٥	1.00	EA	2	. 43	81290		×	°.
STATE OF TARREST A CORE	17926 A	00000	278 0	CABLE ASSY	5014M45P02	٥	1.00	EA	2	.57	81301		¥	°.
MTPCC 1 2	27925 A	001165	379 L	LEAD IGN 10	IGN 10585422P1	۵	1.00	EA	z	.80	81301		¥	0,
MIPOCAL	17925 A	00870	J 815	EAD ELECT	LEAD ELECT BO35M94P01	٨	1.00	EA	2	2.75	88182		×	٥.
87900 L 47828	27826 A	00878	0 870	CAB SPEC PU	PUR 10582411P2	۵	1.00	EA	z	.80	81315		×	٥.
MTPCC 1	27925 A	0.0000	3 847	LECT LEAD	ELECT LEAD 5032M26P02	6	1 00	EA	2	4.	82219		×	٥.
MIPCOS 1. SOL	17828 A	00822	27.0	SHITCH BOSSESSFOR	1M29Po1	۵	1.00	EA	z	. 50	83104		×	٥.
#1900 A \$1916 A	17826 A	0082	J 815	LEAD THR FL	FLEX 108C2689P1	۵	1.00	EA	2	10 10	81290		¥	°.
MTPCC 1 3	27926 A	001130	J 875	CABLE IGN 4	41825	^	1.00	EA	z	.47	88309		<	٥.
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BTPC LABOR STANDARD MASTER FILE		04/30/89	_	0468-MM	A-E0468-MM3-MX-290	PAGE	4	
FAC CTL J OPER OPERATION DESCRIPTION	SKILL OCCUR	I COUNT	T TYPE	STD	LAST OPER	A/8 C0	FLOW	
STREET ETBLE & COMSE JTE LEAD MAIN IGN 5170377P2	0.1	.00 EA	z	.84	81290	×	°.	
27928 A 00M40	D. 1.0	.00 EA	2	.53	81290	×	o.	
TOTAL SOLITON SALA SOLITON SALAS SOLITON AND SOLITON SALAS SOLITON SALAS	1.0	. 60 EA	2	. 48	81290	×	o.	
THE LEAD	1.0	.00 EA	2	. 83	# :290	×	o,	
	1.0	.00 EA	2	. 43	81290	×	°.	
27828 A . 00865	DV 1.6	.00 EA	2	.87	B1301	×	o,	
16	1.0	.00 EA	2		81301	×	°.	
	0.1	.00 EA	z	2.75	88182	×	°.	
STITLE STATE OF STATE ST	DY 1.0	.00 EA	z	80	81315	×	°.	
	1.6	.00 EA	2	. 43	82219	×	°.	
ETFCC 1 27827 A GOM22 278 SEITCH 5032829P01	1.0	.00 EA	2	8.	83104	×	•	
.478	1.0	.00 EA	z	, se	81290	×	o,	
STATE OF THE PROPERTY OF THE P	D. 1.0	.00 EA	2	.47	88340	×	•	
MTPCC 1 27927 A COMUSE UT9 LEAD MAIN IGN 517037772	1.0	.00 EA	z	40	81290	×	°.	
1 27827"A 00840	D. 1. 0	.00 EA	z	.63	#1290	×	o,	
STATES A SOSTAN	p. 1.0	.00 EA	2	. 48	81290	×	o.	
-	0. 1. ¢	.00 EA	z	80 80	81290	×	٥.	
STPOCK NOT SERVING NO SERVING STREET CARLE BOSSETSPOI	D. 1.6	.00 EA	z	4.	81290	×	o,	
STEED - NYBEY A COSSOC LIS CABLE ASSY SOLABISDO2	DV 1.6	. 60 EA	z	.87	B 1301	×	°.	
MIPCC 1 27927 A 00M66 J79 LEAD IGN 10585422P1	1.0	.00 EA	z	. 50	81301	×	٥.	
BYPCO CONTRACTOR COCKAC COS LEAD RIECT BOSESAPOI	bv 1.6	.00 EA	2	2.75	88182	×	0,	
STREET TO STREET A COCKTA LIB CAR SPEC PUR 1058241:P2	1.0	.00 EA	2	.50	81315	×	0.	
MIPCG 1 27927 A GOMBO J79 ELECT LEAD 5032M26P02	1.0	.00 EA	z	. 45	82219	×	٥.	
TO A GREAT AND THE PARTY OF THE	1.1	.00 EA	z	98.	B3104	∢	°,	
	D. 1.0	.00 EA	z	. 85	81290	∢	°.	
	1.0	.00 EA	2	.47	81290	×	o.	

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MIPC LABOR STANDARD MASTER FILE		04)	04/30/89	A-E04	58 - MM	A-E0468-MM3-MX-290	_	PAGE	.
RCC FAC CTL J OPER OPERATION DESCRIPTION	SKILL	L OCCUR	COUNT	TYPE STD H	STD HOURS	LAST OPER REVIEW IND		A/R CD	LOW
STREET : MYSER A CORDS UTS LEAD MAIN ION S1705377F	7 DV	1.00	EA	2	Š,	81290	<		°.
MTPCC 1 27928 A GOM40 J78 CAB MAIN IGN 106C5282P	¥0 1.	1.00	EA	2	. 53	81290	<		o.
STEPSCOLISSES AND SOURCE SUTBILLEAD ICAS A/8 S170818F0	70 10	1.00	EA	2	. 48	81290	<		°.
	2 DV	1.00	EA	2	. 8	81290	<		°.
MIPCC 1 27828 A COMOS J78 ELECT CASLE BOJSM75PO	٥	00.1	EA	z	4.	81290	<		٥.
1 27826 A	A	1.00	E Y .	2	.87	81301	<		°.
9466	A	i.00	EA	2	9	B 1301	<		°.
MIPCC : 27828 A GOM70 J78 LEAD ELECT 5035M94P01	ď	1.00	EA	2	2.78	88182	×		٥.
	12 DY	4.60	EA	2	. 80	81315	<		o,
	۵	1.00	EA	z	. 4.8	82218	<		o.
'S SHAFT	Y8 N80	1.00	EA	2	1.00	81259	<		o.
THE PARTY OF THE P	109H BY	1.00	EA	2	1.00	81259	<		o,
	108N BY	1.00	EA	2	00.1	81259	<		o,
MTPCC 1 29412 A 00M50 CABLE SENS 10-352647-1	*	1.00	EA	2	.68	86177	¥		o.
IN ALGORITHMEN DOSEST STANCHED AND 1-4200	907H BY	00.	4	2	2.30	80208	×		o,
THE SOLENOID SUBSORA	TO NEO!	1.00	EA	z	.37	81022	*		°.
1 30033 A 00Ht0 HARNESS P/N 54552	102N DY	1.00	EA	2	. 69	82247	×		0
STROOM TO BE STROOM TO BE STROOM TO BE STROOM STROO	778 DV	1.00	EA	2	.03	80211	11.		o.
CSD COMPNTS F-111	007M DV	1.00	EA	z	66.	80209	×		o.
SE HARNESS ASSY CSD 54528	106N DY	1.00	EA	2	90	81140	¥		0.
185 "ACT 468889	VA M700	1.00	EA	2	3.32	80208	×		o,
#TPOC 1 41281 A 00800 SCOOP P/N 540248-6 30	SOIN BY	1.00	EA	2	7.24	83018	×		°.
# 40R/TDR SCOOP 540246-6	007N BY	1.00	EA	z	2.50	80208	×		•
B. ACTUATOR 4369-1	304N AV	† . 0 0	EA	2	3.77	83078	×		0,
MIPOGAL STREET COMON ACT GYLC 6497 00	007M AY	1.00	EA	2	3.92	80208	×		°.
IS ACT QUAL ANAL 1009350	007N AY	1.00	EA	2	2.00	80217	×		6.

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MITCOL 1988 A COMMUNICATION DESCRIPTION CONFIGURATION	ETPC	LABC	OR STANDARD MASTER	STER FILE			04/	04/30/89	A-EG	468-MM	A-E0468-MM3-MX-290	•	PAGE	9
ACTUATOR. 113828 20858 AV 1.00 EA N 3.23 80187 K ACT 30878-17 0078 AV 1.00 EA N 11.86 85197 K EARLY TREE CREEKS CON DV 1.00 EA N 11.86 85197 K EARLY TREE CREEKS CON DV 1.00 EA N 1.58 80187 K EARLY TREE CREEKS CON DV 1.00 EA N 1.60 8140 K EA N 1.60 8140 K EA N 1.60 8140 K EA N 1.60 8140 K EA N 1.60 8140 K EA N 1.60 8140 K EA N 1.60 8140 K EA N 1.60 8140 K EA N 1.60 8140 K EA N 1.60 8140 K EA N 1.60 8140 K EA N 1.60 8140 K EA N 1.60 8160 K EA N 1	SO FAC OTL J OF		OPERATION DESC	RIPTION	NO	N I L L		COUNT				TABAC		LOW
CABLE Triangle T	900 F 94115 1 000		ACTUATOR	113838	3058	¥	1.00	EA	2	3.23	80167		×	°.
CABLE TABL	PCC 1 31986 A 008		ACT	30678-17	007K	٨	1.00	EA	z	3.26	80208		×	°.
OH TEAMLERS: TOWERS ASSET NOTE NOTE NOTE NOTE NOTE NOTE NOTE NO	NOC. I SECOND I DO		CABLE 1/80			2	\$0. feet	•	*	. 1 . 94	18197		×	ċ
CABLE From Qual Amaness Color	200 0 55656 1 004		PANE TOR CABLE	A857	200	>	1.00	EA	*	1.38	80167		<	٠.
34107 A COMMON PARTIES 106N BY 1.00 EA N 1.65 B1140 K	900 4 34103 A 00E	:	OH TEESTAND	******	2	>	1.00	EA	2	9 . 00	80208		×	•
HARNERS AND TO 1.00 EA N 1.65 80198 K QUAL ANAL HARNESS BASES 007N DY 1.00 EA N 1.84 80208 K TACH-CERERATOR ESEZHSO 201N BY 1.00 EA N 1.84 82009 A TACH-CERERATOR ESEZHSO 201N BY 1.00 EA N 7.20 82044 K STAT TR	######################################	0	ODR/TOR OFF	6888888	100	>	1.00	EA	2	. 80	81140		×	°.
QUAL ANAL HARNESS BASES DV 1.00 EA N 1.84 BO208 A TACH-GENERATOR GEGISSO 201N BV 1.00 EA N 1.44 B2009 A STAT RTR 10-387925-1 100N BV 1.00 EA N 7.20 B2044 K STAT RTR 10-387925-1 100N BV 1.00 EA N 7.20 B2044 K STAT RTR 10-387925-1 100N BV 1.00 EA N 7.20 B2044 K BOX ACABLE TF30 10-382646 207N BV 1.00 EA N 3.71 B327 K CABLE FF30 10-352646 207N BV 1.00 EA N 1.50 B3245 F CABLE FF30 10-352646-1 111N DV 1.00 EA N 1.50 B3245 F CABLE P/N 10-352649-1	900 Y 2017 Y 900		NA BERES	£.	007R	۵	1.00	EA	z	1.65	80198		×	٥.
A COMMON STATEMENATON ESCRIPTION BY 1.00 EA N 1.44 B2009 A 1448 A COMMON STATEMENATON ESCRIPTION BY 1.00 EA N 7.20 B2044 K 1448 A COMMON STATEMENATON ESCRIPTION BY 1.00 EA N 7.20 B2044 K 1448 A COMMON STATEMENATON ESCRIPTION BY 1.00 EA N 7.20 B2044 K 1448 A COMMON STATEMENATON ESCRIPTION BY 1.00 EA N 7.20 B2049 K 1448 A COMMON CARLE FF-30 10-382646 207N BY 1.00 EA N 7.21 B1327 K 1448 A COMMON CARLE FF-30 10-382646 207N BY 1.00 EA N 7.29 B2345 F 1448 A COMMON CARLE FF-30 10-382646 207N BY 1.00 EA N 7.29 B2345 F 1448 A COMMON CARLE FF-30 10-382646 207N BY 1.00 EA N 7.29 B2345 A 1448 A COMMON CARLE FF-30 10-382649-1 111N BY 1.00 EA N 7.70 B1327 K 1448 A COMMON CARLE FF-30 10-382649-1 111N BY 1.00 EA N 7.70 B1327 K 1448 A COMMON CARLE FF-30 10-382649-1 111N BY 1.00 EA N 7.70 B1327 K 1448 A COMMON CARLE FF-30 10-382649-1 111N BY 1.00 EA N 7.70 B1327 K 1448 A COMMON CARLE FF-30 10-382649-1 111N BY 1.00 EA N 7.70 B1327 K 1448 A COMMON CARLE FF-30 10-382649-1 111N BY 1.00 EA N 7.70 B1327 K 1448 A COMMON CARLE FF-30 10-382649-1 111N BY 1.00 EA N 7.70 B1327 K 1448 A COMMON CARLE FF-30 10-382649-1 111N BY 1.00 EA N 7.70 B1327 K 1448 A COMMON CARLE FF-30 10-382649-1 111N BY 1.00 EA N 7.70 B1327 K 1448 A COMMON CARLE FF-30 10-382649-1 110N BY 1.00 EA N 7.70 B1327 K 1448 A COMMON CARLE FF-30 10-382649-1 110N BY 1.00 EA N 7.70 B1328 K 1448 A COMMON CARLE FF-30 10-382649-1 10-3826449-1 10-382649-1 10-382649-1 10-382649-1 10-382649-1 10-382649-1 10-382649-1 10-382649-1 10-3826449-1 10-3826449-1 10-3826449-1 10-3826449-1 10-382649-1 10-3826449-1 10-3826449-1 10-3826449-	PCC 1 34107 G 00M	0	QUAL ANAL HARK	IESS 64662	M 100	٥	1.00	EA	z	1.84	80208		¥	°.
March Marc	POC. 1 34 1 0 E . A 0 0 B	0	TACH-GENERATOR		20 1 N	> #	1.00	EA	2	1.4.	82008		<	°.
Main	100 4 17 17 000		MAJOR NEPAIR	TRANSDUCER	202	*	1.00	EA	*	7.20	82044		×	°.
	PCC 1 3414# A 00#	0	-		007N	>	1.00	EA	z	96	80198		¥	°.
	POC ST 34148 (A . 008	200	BOXECABLE	HAD 15 100	3098	λQ	1.00	EA	2	3.45	81327		×	°.
	POC 1 34148 0 008	2 C C C C C C C C C C C C C C C C C C C	# CABLE	1018100		۵	1.00	EA	2	1.00	85309		<	o.
	PCC 1 34156 A 00M	80	TF - 30	1-352650-1	=======================================	٨	1.00	EA	z	3.71	81327		¥	٥.
	100 - A - 1814 180 1 - 100 1	#0#		0-352648	207N	*	1.00	EA	2	8.82	82184		L.	0
	POC 1 34181 G 008	80	N/d	0-352648	2128	*	1.00	EA	*	68.	82345		<	o.
	34164 A 00M	50	BOXACABLE	HAD14778	309N	٨	1.00	E A	z		81327		×	°.
######################################	400 6341#6 00x	#0#	PERFORM QUAL A	INALYSIS	012N	λQ	1.00	EA	2	1.50	81006		<	•
14167 G 00M05 CABLE P/N 10-352649-1 211N DV 1.00 EA N 1.52 81292 A 99 14178 A 00M05 FILTER SWITCH 481895 110N DV 1.00 EA N 1.52 81292 K 14178 G 00M05 HARNESS 42440 TF33 DV 1.00 EA N 5.71 88183 K 14187 A 00M05 HARNESS 42440 TF33 DV 1.00 EA N 5.71 88183 K 14187 A 00M05 CABLE P/N 678131 305N DV 1.00 EA N 3.45 82184 K 14324 G 00M05 TDR CABLE 108N DV 1.00 EA N 1.00 81255 A	00 % X 181 % 000 000 000 000 000 000 000 000 000	* \$5 E		352649-1	# T T T	>	1.00	EA	z	4.70	81327		¥	0,
14179 A COMOS FILTER SWITCH 481695 110N DV 1.00 EA N 1.52 81292 K 14179 G COMOS GUAL AUDIT SWIT 481695 004N DV 1.00 EA N 1.17 80167 A 14287 A COMOS HANNESS 42440 TF33 DV 1.00 EA N 5.71 88183 K 14324 A COMOS CABLE P/N 678131 305N DV 1.00 EA N 3.45 82184 K 14324 G COMOS TDR CABLE 108N DV 1.00 EA N 1.00 81255 A	1CC 1 34167 G 00M	200	7/K	.352649-1	2 . IN	٨	1.00	EA	z	. 70	82322		₹	8.66
14178 G COMOS HARNESS 42440 TF33 DV 1.00 EA N 1.17 80167 A 14287 A COMOS HARNESS 42440 TF33 DV 1.00 EA N 5.71 88183 K 14324 A COMOS CABLE P/N 678131 305N DV 1.00 EA N 3.45 82184 K 14324 G COMOS TDR CABLE 108N DV 1.00 EA N 1.00 81255 A	200 100 34178 A. 608	£	FILTER SWITCH	481695	1 1 0 N	۵	1.00	EA	2	1.52	81292		×	ō.
######################################	00 1 34178 G 008	808	•		00 A M	λQ	1.00	EA	z	1.17	80167		<	°.
14324 G COMOS TOR CABLE P/N 678131 305N DV 1.00 EA N 3.45 82184 K	PCC 1 34257 A 908		HARNESS 42440			٨	1.00	EA	z	5.71	88183		¥	٥.
14324 A 60800 CABLE P/N 678131 305N DV 1.00 EA N 3.45 82184 K	100. 1 200. 1 200.		AUGUSTY AUGIT			5	60.	*	2	3:00	86158)		6.
1 34324 G 00M05 TDR CABLE 108N DY 1.00 EA N 1.00 81255 A	POC 1 34324 A 008		CABLE .	878	SOS	۵	1.00	EA	z	3.45	82184		¥	°.
	16C 1 34324 G 00M	# 05	TOR CABLE		108N	۵,	1.00	EA	2	1.00	81255		<	°.

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MTPC LABOR	ABOR STANDARD MASTER FILE		04,	04/30/89	A-EO	468-WM	A-E0468-MM3-MX-290	PAGE	11
RCC FAC CTL J OPER O	OPERATION DESCRIPTION	SKILL	FACTOR	COUNT	TYPE	STD HOURS	LAST OPER	A,0	FLOW
######################################	ACT CAP IN CLASS - 663049	40 W W AV	90:1	3	z	6.71	80208	×	•
MTPCC 1 34327 G 00M05 A	ACTUATOR 1433-663089	JOSN AV	.00	E A	2	1.80	83260	∢	°.
BOBOS KUNDARDOUT	- 80X-4 DABLE - 878130	SOBN BY	1.80	EA	2	3.45	80167	×	ó
400	ABER 18 WGX 7 878130	VO M700	÷.00	E A	2	1.67	80217	×	°.
10	OVERHAUL WIRING HARNESS	ò	1.00	EA	z	2.00	88373	<	٥.
A-11 (10 A)	01.020100000000000000000000000000000000	W. W. OO	11.00	3 . %	z	19.59	# 020 9	¥	°.
34810 0 00008	CLUTCH PACK 42102R110	00 84		EA	2	5.69	80209	¥	°.
00000	ACTUATOR 1438-843054	¥	-	EA	2	5.13	88210	¥	°.
150	ACTUATOR " #/N 701000	40BE AV	1.00	EA	w	4.97	84152	¥	°,
A COMO CONTROL OF CONT	14.0	DOBN AV	1,00	EA	z	5.42	80167	×	٥
	TOR ACTUATOR 1433-613187	*	1 00	EA	2	1.18	88258	∢	199.8
	1433-613625	* William Control	The state of the s	**	w		84124	×	°.
# # # # # # # # # # # # # # # # # # #	TOR ACTUATR 1433-613523	BOZN AY		EA	2	1, 15	80167	<	o.
34548 A 00M05	OVERHAUL GEN P/N 825222	110N BY	1.00	EA	2	g. 00	82044	u.	°.
MIPCC 1 34849 G 00M05 F	PRE QUALITY ANALYSES	TITH BY	1.00	EA	z	1.50	81332	×	°.
1 34842 A COMOS	ACT 541216-1-1	007M AV	1.00	EA	z	4.38	80209	¥	o,
1 35008 A 00M05	SERVO 669777-361	302M BY	1.00	F.A	w	8.03	83057	I	ø.
S SOBOON D BOOKEN	QUAL ANAL 669777-361	007N BY	1.00	EA	2	3.22	80208	×	°.
MTPOC 1 08008 A 00805 M	MIR & DRV 684244-31	007N BY	1.00	EA	z	7.98	80209	¥	°.
1 35009 G 00M05	MTR & DRIVE 684244-31	303N BY	1,00	Æ	z	2.00	83055	¥	°.
1 - 38618 G 00805	DRUM & BRACKET 669779	212N BY	. 00	EA	2	1.00	82345	∢	o,
30000 A \$1000	SKRVO 66877-841	302N B	1.00	EA	w	8.02	83078	I	٥.
10	TDR SERVO 669777-541	106N BY	1.00	٤٨	z	3.22	81140	×	°.
	REP CABLE 168495-1 TF33	A	1.00	EA	z	4.50	88183	×	•
STROCK CASCAL GOODS C	CABLE P/N 166495-1	STEN DY	1.00	E	z	. 50	83346	∢	°.
	SWITCH P8-1A	302N DY	1.00	¥¥	z	1.00	83050	∢	o,
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MTPC	LAB	ABOR STANDARD MA	MASTER FILE		0	04/30/89	A-E0	-E0468-MM3-MX	3-MX-290	PAGE	8
RCC FAC CTL J OPE	OPER	OPERATION DES	DESCRIPTION	SKILL	E FACTOR	COUNT	TYPE	STD	LAST OPER REVIEW IND	۸ 0	FLOW
A 88088 1 DOCT	0.000	#17#	P/N 4002 3	30 IN BY	۷ ، ۵۵	EA	2	3.82	83029	¥	°.
MTPCC 1 38086 A	2000	O/H ACTUATOR	16784-1A 3	303E BY	۲ 1.00	EA	w	9.34	83062	×	°.
の思うのだ。近の物語の語行いのかのじだれば思	90890%	ACTUATOR	18784-1A 1	TORN BY	4.00	EA	2	4.47	B 1140	×	٥.
		ACTUAL	**************************************	106W B	8V . 1.00	. 64	z	8.8	£1140	¥	o,
MTPCC 1 35097 G		TDR ACT		106N BY	۷ - 1 . 00	EA	z	4.38	8114C	¥	°.
MTPOC 1 38388 A	00800	- dana	0 089634	8 M/00	8Y 1.00	EA	2	3.82	80208	×	o,
0000 9 物質性の対象の 204年第一	00000	1	RGB680 0	007N BY	۲ 1.00	EA	2	2.49	80209	×	°.
MTPCC 1 35503 A	00810	0/H SWITCH 48169	11695	٥	4 1.00	EA	2	1.52	87076	×	o.
	OOMCB	,	-010-01	007N BY	v 1.00	EA	z	3.47	80209	×	°,
STPOC T SESOR O	00000	GON FUND	•	107N BY		EA	2	1.50	81220	∢	ō,
MTPCC 1 37648 A	0000	ACTUATOR P.	P/N 38140-7 4	405E A	AY 1.00	EA	W	4.36	84147	¥	٥.
1 37713	0000	CAPSTAN	99259-04 0	007N BY	1.00	EA	2	4.12	80209	¥	ō
-	COMOS	CAPSTAN TOR	89289-04 0	007N BY	v 1.00	EA	z	2.50	80208	×	o.
-	00000	SERVO 616	616418-1-166 3	311E 8Y	٠ - ٠	EA	w	8.02	83057	I	o.
**	0.000	QUAL ANAVL	٥	007N BY	¥ 1.00	EA	2	3.40	80209	¥	•
, 	0.000	MTR GEN 965	965-0060- 001 0	007N BY	۷ 1.00	EA	2	4.35	80209	I	o,
-	COMCO	J-79 TORQUE	MOTOR & RESISTOR	TOR BY	۲ 1.00	EA	ш	3 52	84124	×	٥.
•	0.0805	J-79 TORQUE N	MOTOR & RESISTOR	TOR BY	4.00 ×	EA	w	3.52	84124	¥	0,
DECO. TO BEEC TO DOLLE		SUPPORTOR	MOTOR & RESISTOR	TOR BY	۷ ، ۵۵	EA	w	3.89	84124	×	o.
MTPCC 1 38665 A	SOMCO	J-79 TORQUE N	MOTOR & RESISTOR		BY 1.00	EA	ш	3.52	84124	×	°.
4	201100	4-78 TOTAUR	MOTOR & RESISTOR	-	8Y 1.00	E.A.	w	3.82	84124	¥	°.
BTPCC 1 38687 A	OUNCO		MOTOR & RESISTOR	TOR BY	v 1.00	EA	w	3.52	84147	×	o,
	00800	J-79 GENERATOR	38 868C691P1	8	۷ 1.00	EA	2	1.40	82016	¥	0.
-		4-79 SWITCH	8740821P1	۵	¥ 1.00	EA	w	2.21	83308	×	°.
mreco 1 38697 G	901100	U-19 SWITCH	874C621P1	À	1.00	EA	z	1.03	83187	×	0.
	001100	J-79 SWITCH	874C224P2	٥	۲ 1.00	EA	W.	2.16	87211	×	٥.
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REC FAC COL CORES OPER OP	OPER OPER <th< th=""><th>ET PC</th><th></th><th></th><th>LAB</th><th>BOR STANDARD M</th><th>MASTER FILE</th><th></th><th></th><th>04/:</th><th>04/30/89</th><th>A-E0</th><th>1468-14H</th><th>A-E0468-MM3-MX-290</th><th>٥</th><th>PAGE</th><th>6</th></th<>	ET PC			LAB	BOR STANDARD M	MASTER FILE			04/:	04/30/89	A-E0	1468-14H	A-E0468-MM3-MX-290	٥	PAGE	6
0000010	000005 J-79 SWITCH B740224P2 DV 1.00 EA N 1.00 000005 J-79 SWITCH 311DEB4P02 DV 1.00 EA N 1.00 000005 J-79 SWITCH S760360P3 DV 1.00 EA N 1.00 000005 J-79 SWITCH S760360P3 DV 1.00 EA N 1.00 000005 J-79 SWITCH S760360P3 DV 1.00 EA N 1.00 000005 J-79 SWITCH S770360P3 DV 1.00 EA N 1.00 000005 J-79 SWITCH S770360P3 DV 1.00 EA N 1.00 000005 J-79 SWITCH S770360P3 DV 1.00 EA N 1.00 000005 J-79 SWITCH S770360P3 DV 1.00 EA N 1.00 000005 J-79 SWITCH S770360P3 DV 1.00 EA N 1.00 000005 J-79 SWITCH S770360P3 DV 1.00 EA N 1.00 000005 J-79 SWITCH S770360P3 DV 1.00 EA N 1.00 000005 J-79 SWITCH J-890743-3A 196M BV 1.00 EA N 1.50 000005 J-79 SWITCH J-890743-3A 196M BV 1.00 EA N 1.50 000005 J-79 SWITCH J-890743-3A 196M BV 1.00 EA N 1.50 000005 J-79 SWITCH J-890743-3A 196M BV 1.00 EA N 1.50 000005 J-79 SWITCH J-890743-3A 196M BV 1.00 EA N 1.50 000005 J-79 SWITCH J-890743-3A 196M BV 1.00 EA N 1.00 000005 J-79 SWITCH J-990 J-90 EA N 1.00 000005 J-79 SWITCH J-990 J-90 EA N 1.00 000005 J-79 SWITCH J-990 J-90 EA N 1.00 000005 J-79 SWITCH J-990 J-90 EA N 1.00 000005 J-79 SWITCH J-990 J-90 EA N 1.00 000005 J-79 SWITCH J-990 J-90 EA N 1.00 000005 J-99 SWITCH J-990 J-90 EA N 1.00 000005 J-99 SWITCH J-990 J-90 EA N 1.00 000005 J-99 SWITCH J-99 SWITCH J-90 EA N 1.00 000005 J-99 SWITCH J-99 SWITCH J-90 EA N 1.00 000005 J-99 SWITCH J-99 SWITCH J-90 EA N 1.00 000005 J-99 SWITCH J-99 SWITCH J-90 EA N 1.00 000005 J-99 SWITCH J-99 SWITCH J-90 EA N 1.00 000005 J-99 SWITCH J-99 SWITCH J-90 EA N 1.00 000005 J-99 SWITCH J-99 SWITCH J-90 EA N 1.00 000	ACC FA	C CTL	70		OPERATION	SCRIPTION	X O	TELL .		SOUNT				OPER	A/A CD	FLOW
000005 J-79 SWITCH 3110884P02 DY 1.00 EA N 2.50 81276 K 000005 J-79 SWITCH 3110884P02 DY 1.00 EA N 1.00 83009 000005 J-79 SWITCH 876236P03 DY 1.00 EA N 1.00 83009 000005 J-79 SWITCH 876236P03 EGT DY 1.00 EA N 1.00 83009 000005 ACTUAIGM 0. 111N BY 1.00 EA N 1.00 82331 000005 ACTUAIGM 0. 111N BY 1.00 EA N 2.00 85010 A 000005 ACTUAIGM 0. 111N BY 1.00 EA N 2.00 85010 A 000005 ACTUAIGM 0. 111N BY 1.00 EA N 2.00 85010 A 000005 ACTUAIGM 0. 111N BY 1.00 EA N 1.00 82331 000005 ACTUAIGM 0. 111N BY 1.00 EA N 1.00 82311 000005 ACTUAIGM 0. 11303B 30EN AY 1.00 EA N 1.50 80211 000005 EFF TARMS BTUEZGRAS 20BM GT 1.00 EA N 1.50 80211 000005 CONTROL 1715286 AOEE BY 1.00 EA N 1.25 82280 000005 CONTROL 1715286 AOEE BY 1.00 EA N 1.25 82280 000005 CONTROL 1715286 AOEE BY 1.00 EA N 1.25 82044 000005 CONTROL 1715286 AOEE BY 1.00 EA N 1.25 82044 000005 CONTROL 1715286 AOEE BY 1.00 EA N 1.20 85045 000005 CONTROL 1715286 AOEE BY 1.00 EA N 1.20 85045 000005 CONTROL 1715286 AOEE BY 1.00 EA N 1.20 85045 000005 CONTROL 1715286 AOEE BY 1.00 EA N 1.20 85046 000005 CONTROL 1715286 AOEE BY 1.00 EA N 1.20 85046 000005 CONTROL 171541 AOIN GT 1.00 EA N 1.00 85046 000005 CONTROL 171541 AOIN GT 1.00 EA N 1.00 85046 000005 CONTROL 171541 AOIN GT 1.00 EA N 1.00 85046 000005 CONTROL 171541 AOIN GT 1.00 EA N 1.00 85046 000005 CONTROL 171541 AOIN GT 1.00 EA N 1.00 85046 000005 CONTROL 171541 AOIN GT 1.00 EA N 1.00 85046 000005 CONTROL 171541 AOIN GT 1.00 EA N 1.00 85046 000005 CONTROL 171541 AOIN GT 1.00 EA N 1.00 85046 000005 CONTROL 171541 AOIN GT 1.00 EA N 1.00 85046 000005 CONTROL 171541 AOIN GT 1.00 EA N 1.00 85046 000005 CONTROL 171541 AOIN GT 1.00 EA N 1.00 85046 000005 CONTROL 171541 AOIN GT 1.00 EA N 1.00 85046 000005 CONTROL 171541 AOIN GT 1.00 EA N 1.00 85046 000005 CONTROL 171541 AOIN GT 1.00 EA N 1.00 85046 000005 CONTROL 171541 AOIN GT 1.00 EA N 1.00 80046	00M0015 J-79 SWITCH 3110B84P02 DV 1.00 EA N 2.50 00M0015 J-79 SWITCH 3110B84P02 DV 1.00 EA N 1.00 00M0015 J-79 SWITCH B76C360P3 DV 1.00 EA N 1.00 00M0015 J-79 SWITCH B77DB70P03 EG N 1.00 EA N 1.00 00M005 ACTUATOR B77DB70P03 EG N 1.00 EA N 1.00 00M005 ACTUATOR B77BB70P03 EG N 1.00 EA N 1.00 00M005 ACTUATOR B77BB742-2A 106M BY 1.00 EA N 1.00 00M005 SENVO QUAL A 1980743-2A 106M BY 1.00 EA N 1.00 00M005 SENVO QUAL A 1980743-2A 106M BY 1.00 EA N 1.50 00M005 SENVO QUAL A 1102A 11303B 200M T <td>10041</td> <td>#898# **********************************</td> <th>.0</th> <td>COMOD</td> <td>84-P</td> <th>874G224P2</th> <td></td> <td>٨</td> <td></td> <td>EA</td> <td>z</td> <td>1.00</td> <td>83088</td> <td></td> <td>¥</td> <td>°.</td>	10041	#898# **********************************	.0	COMOD	84-P	874G224P2		٨		EA	z	1.00	83088		¥	°.
1 1 1 1 1 1 1 1 1 1	198706 A 00000	1000	3869	∢			3110894P02		۸ ۵	00.1	EA	z	•	81276		×	°.
1	18700 A 00800	1 0041	******	0	COMOD		3110894902		ρ	1.00	EA	2	1.00	83062		×	0
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RCC FAC CTL J OPER	D OPER		OPERATION	DESCR	DESCRIPTION	ÑÖ	SKILL CODE FA	FACTOR (COUNT	TYPE \$10	STD	LAST	OPER	A/R CD	FLOW
#F#00 3 48382		121	S.F. TAN	18. 82	MIST EFFTANSE STUGSOBKS) 10	. t. 01	EA	2	.87	80048		×	°.
MTPCC 1 45362 G	G COMOS	F/F	F/F TRANS	8136	81J62GBK3	20 1 M	CT	1.00	EA	z	. 75	82044		×	٥.
CHANGE LEADER	10114	M/d	CENTRA		SEADORY S	1000	07.0	\$ 00 T	AN THE		4.30	82231		٠.	°.
THE PROPERTY OF THE PARTY OF TH		T.			: :	× 2000	0100		VSC SEA	2	.76	#5048		*	°,
MIPCC 1 45387 G	00M00	F/F	TRANS	87.78	BTJBOGASB	20 1 N	ct	00.1	E	z	8.	82044		×	°.
ジョ 報告のは かんかい かんかい かんかん かんかん かんかん かんかん かんかん かんか	A . COMOB			10.00	STJEOGAS4		aT a	1.00	EA	z	4.20	85045		×	0.
ETPOC 3. 48388 A 00810	A 00#10	181			TJEOGAS.		10	1.00	£A	2	. 78	85045		×	ó
MTFCC 1 45389 G	G 00M05	TRAN	TRANSMI TTER		#1J50GA54	304N	C1	1.00	EA	z	90,	83099		¥	•
		A A A A			Mass. 208M	TOBRE	10×31	1.00	E.A.	w	10.0	82219			٥.
1		Teres.	A PARTY	W	Tat at seite seites attached	¥ , , , ,	10	1.00	5 .	*	.97	85045		×	°.
MTPCC 1 48371 G	2 001100	#/#	F/F TRANS	9778	8TJ62G8C3	201N	CI	00.1	EA	z	1.34	82044		¥	°.
#1900 1 4848 E	A. COMOR.	F)0 (FP. TRABS. BYAGGEOM	MS. B.T.	-	20BW	. 10		48 ·	w	4.30	82231		4	°.
MTPOC S ABABT A BOBLO	0.100 ×		TRY PP TRAM BTUROCOM	2	80000	***	OT S	* . 0	E A	w	.78	82231		_	°.
MTPCC 1 48451 G	GOMOO	F/F	TRANS	81.05	BTJ50GBM5	20 1M	C1	1.00	EA	z	83	82044		×	°.
MTPOC 1 48581 A	A COMOB	1,0	FF TRANS	ā	15-18C4A	20 BK	0.1	00.	EA	w	6.07	82231			°.
ATPOC D ABBET. A		181	FF TRNSH	Sat 9.	9118-18C4A		10	00.1	EA	z	1.03	85045		×	°.
MTPCC 1 48561 G	G COMOS	F/F	TRANS	9115	9115-16C4A	20 1 N	CT	1.00	EA	z	1.20	82044		×	٥.
MTPOC 1 48552	A 00405	H/0	FF TRAN		9115-1601	208N	10	1.00	EA	w	7.08	82219		_	°.
MTPGC 3 48562	A COMIO	TST	FF TRNSM		9115-1601		10	1.00	EA	z	1.93	85045		×	٥.
MTPCC 1 48562 G	G COMOS	#/F	TRANS	0 10	115-1601	20 1N	CT	1.00	EA	z	1.20	82044		×	°.
STPOOL STABSES	- CONTON	#/0	FF TRAN		9118-16C1A	208N	0.1	1.00	E	w	6.07	82231		_	٥.
STPOC & MESOS & CONTI	-6	121	FF TRNSB		#116-18C1A	30,800	5	** 00° t:	43 %	2	1.03	85045		×	٥.
MIPCC 1 48363 G	G COMOS	4/4	TRANS	9	-16C1A	20 1 N	CT	1.00	EA	z	1.20	82044		×	°.
STPOC' 1 -48564		1/0	FF TRAN		9115-16B1A	208N	10	1.00	EA	ш	6.07	82231			°.
	A 00410	121	FF TRNSM	9	15-1681A		5	1.00	EA	3	1.03	85045		×	¢.
MTPCC 1 48564 G	SONOO D	3/3	TRANS	9115	- 1681A	201N	CT	1.00	EA	z	1.20	82044		¥	•
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#19C	LA	0.00	STANDARD MASTER FILE		04/	04/30/89	A-E0.	468-MM	A-E0468-MM3-MX-290	PAGE	2
RCC FAC CTL	Ö,	OPERATION	DESCRIPTION	SKILL	SKILL OCCUR	COUNT	STD	STD	LAST OPER REVIEW IND	A/8 CD	FLOW
A 25565 A	; •	O/H FF TRNSM	# 9116-16A1A	10	1.00	¥ E	2	5.92	85045	¥	o,
MTPCC 1 48565 A	001110	TST FF TRNSM	# 9115-16A1A	CT	1.00	EA	z	1.03	85045	×	٥.
- BTP00' 1'VA-18885'	2.04405	F/F TRANS	\$115-16A1A	ZO MI OT	1.00	· EA	2	1.06	82044	×	٥.
20200 C 400000	100mos	. ACT QUAL AMAL	1008320	007N GT	1.00	EA	z	2.00	80211	×	o.
MTPGC 1 49226	A COMOS	REP ACTUATOR		112N AY	1.00	EA	2	4.08	81339	¥	°.
MYPOD'S SABZUR		ACTUATOR # P/N B41214-2		304N AY	1.00	EA	z	4.22	83074	×	°.
Brecht Asses	1	ACTUATOR	P/N 840906-2-2	304N AY	1.00	EA	z	4.22	83078	¥	°.
MTPCC 1 49419 A		ACTUATOR	P/N 499-00	208N AY	1.00	EA	2	3.49	82240	∢	٥.
BTP00 1 39419 G	2 . Ochob	ACTUATOR	00: 667	309K AY	1.00	EA	2	1.00	83263	∢	°.
, - 1, 4 -c	i Oomos	-	1-00-1	TOEN AY	1.00	EA	2	2.59	81140	×	o.
		TOR ACT	499-00-1	TOGN AY	1.00	EA	z	1.50	81140	×	٥.
		ACT	38140+4	MO48 AY	1.00	EA	2	4.34	80046	×	°.
,	N OOMOS	O/H FF TRNSM	# 9115-18C4A	0.1	1.00	. EA	z	5.92	85045	×	°.
MTPCC 3 49530 A	00810	TST FF TRNSM	# 9115-16C4A	CT	1.00	EA	z	1.03	85045	¥	°.
MIPCC 1 49531 A	1 00111015	O/H FF TRNSM	4 9115-1601	4	1.00	EA	z	5.92	85045	×	•
MTPCC 3 48531 A	001110	TST FF TANSM	A 9118-1601	40	1.00	EA	2	1.03	B3045	¥	°.
-	COMOD	O/H FF TRNSM	A 9115-16C1A	C1	1.00	EA	2	5.92	85045	×	٥.
(1)	00810	TST FF TANSA	N 9115-18C1A	10	1.00	EA	z	1.03	85045	×	°.
ATPOC 1 19503 A		O/H FF TRNSM	4 9118-16A1A	4	1.00	EA	2	5.92	85045	¥	o.
n	001110	TST FF TRNSM	# 9115-16A1A	C1	1.00	EA	z	1 03	85045	×	°.
MIPOC. 1 48534 A	1 OOMOS	SAN FF TRNSE	A 9115-1681A	6	1.00	EA	2	5.92	85045	×	o,
BTPOC O SABBUA A		TST FF TRNSM	# 9118-1681A	40	1.00	EA	z	1.03	85045	×	٥.
MTPCC 1 49542 A	001100	CABLE	749022	OOZN DY	1.00	EA	z	8.00	80167	<	°.
MTPGG 1 48842.6	20800	. CABLE 749022	7 TF30	à	1.00	EA	z	1.00	87042	×	°.
مين د. را	. 00805	ACTUATOR	541218-3-1	304N AV	1.00	EA	2	4.22	83069	¥	o.
MTPCC 1 49555 A	OOMOS	ACTUATOR	544388-6-1	301N AY	1.00	EA	z	9.02	83034	¥	<u>•</u>

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# TPC	LAI	ABOR STANDARD MASTER	MASTER FILE			04/	04/30/89	A-E0	468-MM	A-E0468-MM3-MX-290		PAGE	22
ACC FAC CTL J OPER	OPER SO	OPERATION DESCRIPTION	SCRIPTION	ซัพ	SKILL CODE FA	FACTOR	COUNT	TYPE	STD HOURS	LAST OF REVIEW I	OPER	A/A CD	FLOW
ATPOC 1 48874	*Omoo Y	ACT-GAP #	541076+4+2	004R	4	1.00	EA	2	4.97	80167		×	°.
MTPGG 1 49682 A	A COMOS	O/H FF TRAN	188-808-003	20EN	CI	1.06	4	w	6.07	32219		ر۔	٥.
	5 100 A 100 A	THE TANK THE	10 00 00 00 00 00 00 00 00 00 00 00 00 0	学业发生工		AND BURNES.	A	*	. 76	85045	,	×	°.
	201100	TRANSMETTER	TRANSMETTER 180-008-003	2052	10	1.00	EA	2	2.00	82133		<	°.
MTPCC 1 48619 A	A COMOS		191-829888 1	NE00	> 6	1.00	EA	2	5.98	80274		<	٥.
BTFOCK! WASTE	A COMOS		OVERHADE SASSYCTBEO3-461	1038	> 0	1.00	EA	z	8.98	81112		<	°.
STPCC . ASSET A COMOS	POMOR	ACTUATOR	640808-4-2	3048	**	1.00	EA	z	4.22	83068		×	o,
MTPCC 1 48705 A	A COMOS		542542-2-1	1 1 2N	>	1.00	EA	2	8.80	82030		< ⋅	٥.
BTPCG%1 %48717	A. DOMOB	ACTUATOR	P/N640284-3	10 TM	>	1.00	EA	2	6.37	81036		×	٥.
ETPOC 1 LETZO A GOMOS	A DOMOS	HARNESS CDS	1 607168	*11%	40	1.00	EA	z	· 0.	8 1327		×	°.
MTPCC 1 49816 A	A COMOS	ACTUATOR	489-00-3	1 108	٨	1.00	EA	z	3.50	81276		<	°.
MTPGC. 1 . 49818	00200	ACTUATOR	489-00-3	212N	٨	1.00	EA	2	1.00	82362		<	°.
49831	A COMOS	ACTUATOR 72	720434-2 4 3	204N	٨	1.00	EA	2	3.50	82119		<	٥.
MTPCC 1 49850	A COMOS	NAV LIGHT 4	40-0192-3	204N	8	1,00	EA	2	8.00	82112		×	°.
MTPCC 1 49851	A COMOS	ACTUATOR	540906-3-1	=======================================	*	1.00	EA	z	2.80	81311		<	o,
MTPOC 1 49862	A DOMOS	ACTUATOR	32-0260-4	: :	>	1.00	EA	z	3.50	81350		<	o,
MTPCC 1 49875	A COMOS	REPAIR HARN	REPAIR HARNESS 714973C		ργ	1.00	EA	z	.30	84231		⋖	٥.
MTPGC 1 50642	A 00405	REPLACE HAR	HARNESS SWITCH		۵۷	1.00	EA	z	3.00	84361		⋖	٥.
MTPOC 1 SOORTE A	A COROS	TEMP SELECTOR	IDR 757040-1	3078	>	1.00	EA.	2	4.00	83209		¥	°.
MTPCC 1 50095	A DOMOS	HARNESS SUP	SUPPORT FOR E3A	csp	٥,	1.00	E A	z	4.60	88320		×	٥.
#TP00 1 50085	00800	SESSION SUP	SUPPORT FOR ESA	CSD	۵	1.00	EA	2	4.60	88320		×	°.
BITTON 1 SOOBS H CONOS	E COMOS	HARNESS SLP	SUPPORT OF CSD #	90	٥	1.00	EA	z	4.60	88288		¥	۰.
MTPCC 1 50119 A	A 00M05	0/H ACT 1.3	1.33-623304		ργ	1.00	EA	z	5.30	84364		<	°.
MTPCC 1 . 50123 A . 00801	4 . 00800	REPLACE HAR	HARNESS SWITCH		٥,	1.00	EA	z	3.00	84361		×	o,
MTPGC 1 . 80124. A . 00MD	A 00M05	AEPLACE HAR	HARNESS SWITCH		70	1.00	EA	2	3.00	84361		¥	°.
MTPCC 1 50126 A	A DOMOS	REPAIR SOLE	SOLENDID 2633047		٥	1.00	EA	z	1.00	87055		¥	°.
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MTPC LA	ABOR STANDARD MASTER FILE	•	04/30/89	A-E0	468-MM	-E0468-MM3-MX-290	PAGE	£ 23	
FAC CTL J	OPERATION DESCRIPTION	SKILL OCCUR	COUNT	STO	STD	LAST OPER REVIEW IND	A/A CD	FLOW	
K.	REPAIR SOLENOID 2633047	DV 1.00	EA	2	1.00	87055	×	°.	
MIPCC 1 BO128 A COMOS	REPAIR SOLENDID 2633047	00.1 YO	E.A.	z	1.00	87055	×	٥.	
BORDON ANDROGEN TOOPTE	MEP TF41 A402 MAR 6899482	DV 1.00	EA	2	8.33	87187	×	٥.	
STPOC 1 SOIST A GORDS	REPAIR SOLENDED 2633647	DV 1.40	EA	2	1.00	87058	×	°.	
MIPCC 1 BOIS2 A COMOS	ACT TRIM MIN 184495	DV 1.00	EA	z	2.66	85290	×	ó	
OTHORY PRESENTATION OF THE PROPERTY OF THE PRO		DV 1.00	EA	*	2.02	85296	∢	0,	
MIPOC 1 WOISE A COMOS	OK/H FF TRANS BTJBOGASS	01 1.00	EA	w	4.30	89088	×	°.	
MTPCC 3 BO195 A COMIO	TST FF TRNSM BTJB0GASB	CT 1.00	EA	z	. 76	89068	×	•.	
SOMOON AND HOUSE AND COMOS	REP HARNESS 7148730	DV 1.00	EA	2	4.	87133	×	o,	
#1700 : #0202 A GOMOS	CONNECTOR RESTRY SW. 520480	DY 1.00	E	z	1.34	85357	<	°.	
MTPCC 1 60247 A 00M05	O/H KC135E CSD HARNESS	DY 1.00	EA	z	2.00	86279	×	°,	
MTPOC 1 SO277 A SOMOS	REPLACE HARNESS SWITCH	DV 1.00	EA	2	3.00	87023	¥	°.	
V TREOM: +	REPAIR SOLENOID 2633047	DV 1.00	EA	z	1.00	87055	<	٥.	
50325 A	REPLACE HARNESS SWITCH	DY 1.00	EA	z	3.00	87224	∢	o,	
MTPOC 1 SOSES A COMOS	OH PLA HOUSING & SWITCH	DV 1.00	EA	z	2.00	# 7323	<	o,	
MTPCC 1 - 80363 G 00MD5	ODR PLA SW & HSG	DY 1.00	EA	z	.80	88231	∢	°.	
MIPCC 1 50364 A 00M05	OH PLA HOUSING & SWITCH	DY 1.00	EA	z	2.00	87323	<	°.	
MTPGC 1 SEGMET A SCOMOB	O/H IGNITION LEAD	DV 1.00	EA	z	1.75	87343	∢	°.	
**	TF41 SOLENO P/N 184327	BY 1.00	EA	2	1.00	88064	<	٥.	
MTPCC 1 50381 A 00M05	TF41 SOLENO P/N 184327	BY 1.00	EA	z	1.00	88064	<	٥.	
MTPGG 1 5 50380.A . 00MOB	TF41 SOLENOID VL 184327	BV 1.00	EA	z	1.00	88112	<	٥.	
MTPGG 1 80381 A 00805	STEAT SOLENOTO VL 184327	00.1 VW	EA	z	1.00	88112	<	°.	
MIPCC 1 50395 A 00M05	TF41 SOLENOID VL 184327	8 t .00	EA	z	1.00	88112	¥	٥.	
MIPOC. 1 - SOSBE A. OGNOB	TF41 SOLENOID VL 184327	8v 1.00	EA	2	1.00	88112	×	o,	
MTPCC 1 SOSBE A OUNOS	LEAD P/N 10-380463-1	DV 1.00	EA	2	2.68	88202	<	o,	
MTPCC 1 61105 A 00M05	O/H FF TRNSM BTJBBGLM2	CT 1.00	EA	z	5.93	85045	×	٥.	
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21.80	LAB	ABOR STANDARD MASTER FILE		0	04/30/89	<	-E0468-MM3-MX	3-MX-290	PAGE	24
RCC FAC CTL J	S M S	OPERATION DESCRIPTION	SK	SKILL OCCUR	R COUNT	TYPE	STO HOURS	LAST OPER REVIEW IND	A/A	FLOW
MTPOC 3 W1108 A	00810	TET FF TRNSM BYJRBOHM2	Ĭ	01 1.00	0 6.4	2	. 78	85045	×	o,
MTPCC 1 6110B G	001100	F/F TRANS BTUBBGHM2	201N C	CT 1.00	O EA	z	1 20	82044	×	°.
MTPOG. 1.V #11111K	90800	OH TEAT F B DENKY GREEK		BY 1.00	0 64	2	6 .00	83027	×	o.
0800 - X.NTT-8/ - DOGAS	00000	OH TFAT F A GENER 6886443		BY 1.00	0 £A	2	6.00	80211	×	°.
MTPCC 1 61112 G	COMOD	GENERTOR	103N	8Y 1.00	O EA	z	2.11	81093	∢	°.
		* ACTUAL **	304K	AV . 1.80	V3 0	7	4.32	83074	×	O,
ATPOO 1 STISE C	, 19	ACTUATOR 8-		AY 1.00	Ó EA	2	1.50	83277	∢	°.
MTPCC 1 61159 A	00.00	O/H SENSOR 648702-2-1	NOIL	BY 1.00	O EA	2	4.76	82044	x	°.
- 4	90000	ACTUATOR P/N 307200	304N /	AV 1.00	0 64	z	4.84	83078	×	o,
A MOST BOND A STROKE	001100	MOTOR F/N 658680-161	*:::	8V 1.00	G EA	2	5.98	81332	×	°.
_	001100	ACT 16782-1C	007N	BY 1.00	O EA	×	8.92	80211	×	°.
1 61204	00000	SOLEN VALVE P/N	184327	8Y 1.00	0 EA	2	1,00	83022	٠,	o.
٠,	00400	TF41 SOLEN VALVE P/N 184	184327	BY 1.00	O EA	*	1.00	83022	¥	°.
-	001100	O/H FF TRAN BTJ62G823	208N	ct 1.00	O EA	w	6.07	82219	۱	o,
*	00M10	TET FF TRNSM BIJG20823	· ?	1000 100	0 . EA	*	.37	25045	×	o,
MTPCC 1 81207 G	SOMOO	F/F TRANS BTJ2G823	201N	00.1 1.00	0 EA	2	1.25	82044	¥	0,
MTPCC 1 61215 A	00M06	OH IF41 P M GENER 6866889		8Y 1.00	O EA	z	6.00	83027	×	ō
MTPCC 1 #1240 A	COMOD	REP ACTUATOR	 x	BY 1.00	O EA	2	8.46	81332	×	o.
	- 👺	WOTH FF TRNSB BTJ820CAS	*	OT 1.00	0. EA	z	6.92	22048	¥	0.
MTPCC 3 61264 A	0 0 M 1 0	TST FF TRNSM BTJ62GCA3	Ĭ	CT 1.00	0 EA	2	. 16	85045	×	°.
MTPGC 1 81284 G	COMOD	FLOW TRANSMT STJ#2GCA3	304N	00.1 1.00	O EA	2	1.50	83118	<	٥.
MTPOO 1 STARS A	001105	TACH-GENERATOR 6862450	30 IN 1	8Y 1.00	0 EA	z	7.44	83022	4	°.
MTPCC 1 81035 A	CCMOB	O/H IGNITION LEAD	J	DV 1.00	0 EA	2	1.75	87322	∢	o _,
	0.000	C130 ACTUATOR P/N 150201	•	AV 1.00	0 EA	2	2.79	83078	×	o.
#TPO0 1 #1102%A	COMOD	C130 COMPRESSOR F/N AG9680		BY 1.00	0 EA	z	3.92	80209	¥	9.
MTPCC 3 B1107 A	001100	O/H FF TRNSM 81J50GA54	Ū	CT 1.00	0 EA	2	4.20	85045	¥	Ö.
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		LAB	ABOR STANDARD MASTER FILE		ŏ	04/30/89	A-E	468-MM	A-E0468-MM3-MX-290	PAGE	E 25
RCC FAC	CTL	O m S O	OPERATION DESCRIPTION	žS	SKILL OCCUR	COUNT	STD	STD HOURS	LAST OPER REVIEW IND	A/R CO	FLOW
MTPOG 1	#321# G	0000	QUAL ANLYS 35940-3	7 G O O	AV 1.00	. 64	z	. 50	80281	<	•
MTPCC 1 94041 A	94041 A	001100	ACT GRP 2 182772+1	X 1000	AY 1.00	EA.	z	2.79	80167	×	°.
MIPOGUIN	A-1 +048	. 00M10	124645	202E	AV 1.60	Y .	2	2.00	82048	¥	o.
BTF00 1 #4041 G 0080	B4041 G	00000	NO.	102N	AY 1.00) EA	2	1.98	82048	×	°.
MTPCC	1 94043 A	001100	ACTUATOR 152621	3058	AV 1.00	EA	z	3.23	80167	×	°.
MYPOC: 1 94043 A	94043 A	00810	123888 * *	202N	AY 1.00) EA	2	2.32	82048	×	°.
MTPCC - SAO43 A	84043 A	00#30	120288 VALVE BODY	20 1 N	AV 1.00) EA	2	. 28	82020	¥	o,
MIPCC	84043 G	00000	2008	202N	AY 1.00	EA .	2	1.96	82048	×	°.
MIROC 1 MARKET A WOOMO	SAMBET AND	SOMOO.	481310	202N	AV 1.00) EA	2	2.66	82048	*	°.
#TP00	\$4202 A	00000	466887	1021	AY 1.00	. EA	2	2.66	82028	¥	o.
MITTCO 1	94202 A	00110	BUTTERFLY TF-33 480165		AY 1.00	6 EA	2	. 20	86254	×	°.
MTPGC 1	94228 A	00800	484411	108N	AY 1.00) EA	2	4.54	81140	×	o.
MTPCC 1	94227 A	OOMOS	466475	202N	AV 1.00	EA .	2	3.22	82058	¥	°.
MIPCC 1	94227 G	0 0 0 10 5	ANTI ICE VALVE TOR		AY 1.00	EA .	2	3.20	88153	×	°.
MTPCC 1	A 10050	COMPO	ACT 31970-8	007N	AV 1.00) EA	2	2.99	80211	×	ó
MTPOC 1	A 11056	00M05	ACT 657213	N C 0 0	AV 1.00) EA	z	5.09	B2133	×	°.
MTPCC 1	95016 A	00000	ACT 30678-17	007N	AY 1.00	EA C	z	3.45	80211	×	٥.
MTPCC 1	95028 A	0.0110.5	ACTUATOR P/N 6719	3048	AV 1.00	ν Ε ν	z	3.77	83069	¥	°.
arpoc 1	95038 A	COMOS	ACT 38-277A	N#00	AV 1.00	. EA	2	3.58	80219	×	o.
MTPCC 1	95036 G	0.0110.5	TDR-QCI ANALYSIS		AY 1.00	EA	z	3.58	80208	ד	o,
arren 1	* *******	\$000	ACTUATOR GYLC 9103	3048	AY 1.00	¥3 (z	4.03	83069	¥	٥.
	\$5042 A	80000	ACT 152510	N800	AV 1.00) EA	2	4.00	80219	¥	°.
MTPCC (95044 A	COMOS	ACT 381585-5	N 60 0	AY 1.00	EA .	z	4.34	80219	×	°.
A-180884 ANDORTH		\$0#90°	ELECTRO MECH ACTUATOR	303M	AY 1.00	, EA	2	2.79	B 307B	×	o,
arpoc 1	95056 A	COMOS	ACTUATOR 4369-1	304N	AV 1.00) EA	2	3.77	83069	×	o,
MTPCC 1	95056 A	0.011015	ACTUATOR 541218-3-1	304N	AY 1.00	EA	z	5. 18	83069	×	0.

MATE C	LA	BOR STANDARD MASTER FILE	MASTER FILE			/40	04/30/89	A-E0	468-MM	A-E0468-MM3-MX-290	PAGE	56
RCC FAC CTL J	0	OPERATION DESCRIPTION	ESCRIPTION	NO	SKILL CODE F	L OCCUR	COUNT	TYPE	STD	LAST OPER REVIEW IND	A/8 CD	FLOW
1.000	MOWO Q.A.1	. QCI-TDR ACT	8412×8-10-4	=======================================	*	1.00	EA	2	2.23	B1332	×	•
MTPCC 1 95056 A	00#00	ACT GRP 1	1438-623304	N900	*	1.00	4	2	3.35	80167	×	°.
MINOC V. SEGELS A	10000	ACTUATOR	644388-5-1	30 00	¥	1.40	EA	z	9.03	83034	×	°.
ATPOC 1 #8088 A	1.30	ACT CAP 2	640158-4-2	# O O	¥	1.00	EA	z	2.79	20175	×	٥.
MIPCC 1 95068 G	CCMOS		840168-4-2	204N	¥	1.00	EA	z	1.85	82105	×	°.
MITPOCK TO SEBOTE AND COMOD		ACT ACT	84106-4-2	M 00	¥	1.00	EA	z	4.11	80219	×	•
MIPOD 1 SECTE G COMO	-0000	WALVE. " F/N	1-7-888-4-1	101	Y Y	1.00	EA	2	1.80	B 1290	×	°.
MTPCC 1 94086 A	90#00	AGT	. \$44000-2-1	X	*	1.00	EA	z	4.00	80219	¥	۰.
BYPOC TO SECOND	SOMO ··	ACTUATOR	544080-2-1	402K	3	1.00	EA	z	. 50	84049	<	°.
Breco + secont A comos	00000	,	844020-12-1	3012	*	1.00	EA	2	9.03	83034	×	°.
MTPCC 1 95088 A	00800	ACTUATOR	544288-4-1	3000	*	1.00	EA	z	9.03	83034	×	°.
MTPGC 1 . SBGSD. A	SOMOS	ACTUATOR	544020-18-1	3018	*	1.00	EA	z	9.02	# 3034	×	°.
3 		Act	34988-24	200	*	1.00	EA	z	3.88	R0219	¥	•
MTPCC 1 95097 A	00000	ACTUATOR	541078-3-1	304N	٨	1.00	EA	z	4.22	83069	×	°.
MTPCC 1 SEIOI A	00800	ACTUATOR	544014-9-2	3000	¥	1.00	EA	z	9.31	83027	×	é
MTPGC 1 95103.A	- 00800	ACT	2295A0	NB00	*	1.00	EA	2	4.67	80219	¥	°.
MTPCC 1 95104 A	00000	ACTUATOR	P/N C10046		٨	1.00	EA	w	5.23	84119	×	°.
MIPOCAL METERS A SOCIO	-	AACT	841216-1-1	***	*	. 90	3	z	4.46	80219	×	°.
mreoc 1 96108 G	-	ACTUATOR	541216-1-1	3088	¥	1.00	EA	2	1.50	83244	<	°.
MTPCC 1 95109 A		ACT	841078-4-2	N 00	۲	1.00	EA	2	6.78	80219	¥	°.
•	20M00	ACTUATOR	541076-4-2	403K	¥	1.00	EA	z	1.80	84080	<	°.
MTPOC 1 98110 A	00000	ACTUATOR	540906-2-2	3028	۸×	1.00	EA	2	4.22	83050	×	°.
MTPCC 1 SEIII A	00000	ACTUATOR	644014-8-1	3018	>	1.00	EA	2	9.31	#3034	¥	•
PORTO ANTERNATIONAL DOCUMENTO	SORIO S	SEACTUATOR .	841214-1-2.	3041	¥	1.00	EA	2	4.22	83068	×	o.
STPOCYT SETST O	1 001106	QCI-TOR ACT	841214+1+2	00 A & &	*	1.00	EA	2	2.00	80167	∢	°.
MTPCC 1 98133 A	001100	ACTUATOR	544014-9-1	30 1N	¥	1.00	EA	z	9.31	83034	×	•

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MTPC	LABOR STANDARD MASTER FILE	MASTER FILE			04/30/89	68/0	A-E0	168-MM	A-E0468-MM3-MX-290	•	PAGE	27
	OPERATION	DESCRIPTION	หับ	SKILL OCCUR		COUNT	STD	STO	REVIEW	OPER IND	A/R CD	FLOW
BTPOC 1 88144 A 00808	OS ACTUATOR	GYLC \$102	304%	*	3.00	E	2	4.03	83068		×	°.
STRCC 1 SE148 A DOMOS	S ACTUATOR	P/N 2296AD	# 0 # N	۸×	1.00	EA	z	4.70	80219		¥	o,
SOMOO A SEC. T. COMOD	F. ACTUATOR	1-8967 2/4	3028	٨	1.00	EA	2	3.77	8 3057		×	o,
80800 Y 18188		1-9807 2/4	3042	*	1.00	E.	z	3.77	83069		×	o,
MITTER TOTAL DESIGN A COMOS	,	31874-4	200	*	00.1	EA	z	6.40	80219		×	o.
3	11 ACEMPTON	XX X X X X X X X X X X X X X X X X X X	******			EA.	*	4.84	83078	₹.	×	o.
MIPCC 1 SE201 A OCHOR	OF ACTUATOR	701300	104	74	1.00	EA	2	4.84	83078	•	×	o,
MTPCC 1 98234 A 00805		31970-6	N 000	*	1.00	EA	z	2.99	80219		¥	o,
	GUAL ANAL	ACTUATOR	*	٨	1.00	E	z	2.00	81332		¥	٥.
BIFCG 1 SERBE A GORDIE	ACT	1-890128	M800	*	1.00	EA	2	4.15	80219		×	o,
MTPCC # 96263 G 00805	S QUAL ANAL	841368-1-1	S	*	1.00	EA	2	2.00	80339		<	o.
SOMOON ANDONE STORES	1015 - ACTUATOR	540958-4-2	3042	4	1.00	EA	2	4.22	#306B		×	°.
		840808-4-2	207%	*	1.00	EA	z	1.00	#220E		<	0.
MTPCC 1 95331 A 00MOS	ACT GRP 2	541594-1-1	2900	>	1.00	EA	z	2.79	80175		×	•
-		541594-1-1	N 900	¥	1.00	EA	z	2.79	80175		¥	o,
-	- QCI-TDR ACT	1 641594-1-1	1067	**	1.00	£.	*	1.50	81255		0	٥.
1 86333 A 006	ACT GRP	841694-1-1	N900	*	1.00	EA	2	2.79	80208		×	•
BORDO NA MAGRANA CORRES	ACT	541386-2-18	N800	¥	1.60	EA	2	4.38	80219		¥	°.
	ACTUATOR ODR/1DR	DR/1DR	DOZN	*	1.00	£À	2	2.50	80167		<	°.
MIPCC 1 95467 A 00M05	ACT GRP 6	35-12126	N 600	>	1.00	EA	z	4.86	80167		¥	°.
_	PROCENT OF	2 -117892 V A S. 303E.	3036	AY & .	18 00 18 C	4	z	3.23	8 2044		×	°.
STPOC + SERRY A COSTO	119165		312N	44	00:1	EA	2	2.07	82068	o	×	°.
MIPCC 1 SE524 A COM20	120289 BODY	Y JS7 VALVE	201E	٨	1.00	EA	z	* :	82023		¥	•
BORDO SADAY RESERVATION CONTRACTOR	. MOM . 801		5.0	¥	1.00	EA	2	1.94	81157		×	٥,
00000 Y 00000 1 1000000	CONNECTOR	P/N 520480		AV	1.00	E A	2	1.34	86150		<	ō.
	ACTUATOR	544020-14-1	30 1 N	*	1.00	EA	z	8.00	83034		×	۰.
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RCC FAC CT	ۇب ئ ق	E O	OPERA	ER OPERATION DESCRIPTION	ESCRIP	T 10N		SKILL SOOE F	ACTOR	COUNT	STD	STD	SMILL OCCUR UNIT TYPE STD LAST OPER CODE FACTOR COUNT STD HOURS REVIEW IND	E Q	# QS	FLOW
STREET T STREET SORDS HARNESS ASSY CSD	100	0	MARNE	35 ASS	Y CSD		IIIN AY	*	1.00	EAR	z	6#.	81332	-	J	°.
STOCC 1 SE217 A COMOS TF41 SOLEN VALVE P/N	7 A 004	10 10 10	TF 41	SOLEN	VALVE	2/4	184327	٨	00.1	EA	z	00.1	80219	-	J	٥.
MTPOCHUNG MEZZ	100° : A%E	90	TF 4.1	SOLEN	VALVE	2/4	OB TF41 SOLEN VALVE P/N 184327	¥	1.00	EA	2	1.00	80219	_	J	٥.
MIPOC 1 58422 A 0080	100 Y		1641	SOLEN	VALVE	2	DE TF41 SOLEN VALVE P/N 184327	*	1.00	43	2	1.00	83013	-	J	°.
MTPGC 1 9842	98423 A 0080	10 10 10	1641	SOLEN	VALVE	2/4	05 TF41 SOLEN VALVE P/N 184327	*	1.00	EA	2	1.00	83013	-	×	o,
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-	LABOR STANDARD MASTER FILE	STANDA	AM OR	STER	F 1 L &			•	4/30	/80	A-E	0468		×	06.		04/30/89 A-E0468-MM3-MX-290 PAGE 29	87	
ATS BETO	ANDARD HOUR, TOTALS BY RCC & TYPE STANDARD	۵	0	ż	101	A L S	•	-	0	4	-	<u>د</u> >	w	⊢	2 <	∀	2		
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MTPC		7	LABOR STANDARD MASTER FILE	ASTER FILE			•	1	Tu Tu	1468-16M	# - E0468 - MM3 - MX - 290	à.	PAGE	_
RCC FAC	CTL	OPER NO	OPERATION	DESCRIPTION	āö	ATLL JOE F.	SMILL OCCUR	COUNT	STO	STD HOURS	LAST OPER	A/# CD	FLOW	~
MTPGC 1	00210 8	1 45371	CAPSTAN	89289-04	2 1 0 N	E	1.00	E.	2	4.12	82287	×	°.	•
MTFCC 1	00210	45373	CAPSTAN	99289-04	2 1 0 N	8	1.00	W	2	4.12	82287	¥	•	_
MTPCC :	00210	48378	CAPSTAN	98288-04	2 1 0 M	<u>></u>	00	EA	2	4.12	62267	×	Š	•
MTPCC 1	8 01200	80026	AILERON CAPSTAN 99289-0	TAN 99289-04		>	1.00	EA	2	4.12	88251	×	•	^
MTPCC 1	00210	80027	RUDDER CAPSTAN 89289-04	AN 89289-04		6	1.00	EA	z	4.12	88251	×	°.	^
MTPCC :	00210	80028	ELEVATOR CAPSTAN 99289-04	STAN 88289-04	•	X	1.00	4	2	4.12	88251	×	Š	_
MTPCC 1	00210	80186	CK-TST-MEP W	MA PU 6156	302N	<u>></u>	1.00	EA	2	4.80	82044	×	Ÿ	٥
MIPCC 4	00210	80175	BATT MA-4 M	MS24497-1	202N	>	1.00	EA	2	8.40	82051	ts.	Ÿ	
MTPCC 4	C0210 B	80176	BATT-A/C #	#524497-B	202W	>	1.00	EA	2	4.00	82051	×	Ÿ	٥
MIPCC 4	00210	1.20177	BAT-1NS 70	7888701-11	202N	>	1.00	EA	2	4.00	82051	×	ĭ	٥
MTPCC 1	00210	80180	BATTERY	-	1 1 2 N	>	1.00	£A	z	. 30	81353	×	Ÿ	•
MIPCC 1	00210	80185	BATTERY		1 2 2 1	>	1.00	EA	2	. 80	81353	×	Ÿ	•
MTPCC 1	00220	80166	CK-TST-REP WA	3	202H	X	1.00	EA	2	4.80	8 2044	×	°.	•
MTPCC 4	00220	80178	BAT MA4	••	202N	X	1.00	EA	2	5.40	82051	×	°.	^
MTPCC 4	C0220 B	80176	BAT A/G ME	MS24497-8	202N	*	1.00	EA	Z	4.00	82051	×	°.	_
MTPCC 1	00230	80166	CK-TEST WA PU		W100	>	1,00	Ę	2	4.80	20167	×	Ÿ.	0
MTPCC 4	00230 8	80176	BATT MA4	MS24497+1 C	N1 00	8	1.00	EA	z	5.40	80167	¥	Ÿ.	•
MTPCC 4	00230 8	80176	BAT A/G	MS24497+5 0	00 T.N	>	÷.00	4	2	4.00	80167	*	Ϋ.	0
BYPGE 4	00230	80177	BATT INS	788870-11 6	M100	>	1.00	EA	z	4.00	80167	×	°.	_
MTPCC 4	00260 8	80175	BATT MA4	MS24497+1 0	N 1 0 0	× 63	1.00	EA	z	5.40	80167	¥	Ÿ	0
MIPCG +	00260 8	80176	BATT- A/C	MS24487+5 0	S 1 0 0	>	1.00	EA	2	4.00	80167	×	°.	_
MTPCC 4	00260 8	80177	8411	7888701+11 0	00 1 N	>	1.00	EA	\$	4.00	80167	×	°.	^
MTPCC 1	004:6 8	801.9	852 CONV W/S	WIPER DISTIG		A	1.00	EA	z	.0	81137	×	ĭ	0
MTPCC 1	00416 8	80120	852 CONV W/S	WIPER DIBTIG-		> #	1.00	EA	2	. 0 1	8:137	×	Ÿ	0
MTPCC t	00420 8	00008	852 SCRAM BAT	SCRAM BATTERY 561-13610	5.0	A	1.00	EA	2	10.10	81137	×	°.	^
MTPCC 1	23005 G	90400	TOR ENG ACCYS		202N	٨	00 -	EA	z	98	82044	¥	°.	

TDR TEAR-DOWN REP. OF MOTE: G.

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	3-MX-	LAST REVIEW	82044	81015	81329	81329	81329	84105	44140	84105	82051	81015	84361	84361	86303	84361	84361	85297	84361	84361	86303	84361	84361	85297	84361	14361	E05.88
	-E046B-MM3-MX-290	STO		88	3.87	3.87	5.36	1.00	.74	. 80	2.50	9	. 40	5.10	9.00	4.30	4.20	2.50	•	5.10	00.0	4.30	4.20	2.80	. 40	5, 10	6
	A-E0	STD	2	z	2	2	2	2	z	z	2	2	2	2	z	2	z	z	2	2	z	2	2	2	z	2	2
	.1	COUNT	73	RA	EA	EA	E A	EA	43	EA	EA	EA	EA	EA	EA	EA	EA	7	EA	EA	EA	4	EA	EA	EA	EA	4
	₹/60	L OCCUR	1.00	1.00	1.00	. 00	1.00	1.00	00.1	- 00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	00.1	1.00	1.00	00.4	1.00	1.00	1.00	1.00	•
		SKILL	۵	٨	٨	٥	>	Þ	ρ	٨	λQ	٥	٨	à	λQ	٨	70	۵	٥	٥	۵	۵	٥	٥	٥	۵	2
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	FILE	110N			1-111	1-011	1463-1	0-352828-1	HAD	0-352825-1			IGNITION TRANSFORMER	42	42190	42191	42347		IGNITION TRANSFORME	42189	42180	42191	42347		OH/REP IGNITION TRANSFORMER	42189	
	MASTER	ESCRIP	8	S A :	10-380111	10-380110	10-380463-	10-382	٠	10-352		× ×	TION T						TION T						T NOIT		
	DARD	NOI	G ACGYS	G ACCVS		ı	ZEA.				3784	D ACC						3784						3781	ICAL		
	SOR STANDARD MASTER FILE	OPERATION DESCRIPTION	TOR ENG	TOR ENG	LEAD-LH	LEAD-RH	LEAD 2	CABLE	CABLE	CABLE	MISC CABLE	TOR ENG ACCYS	OH/REP	CABLE	CABLE	CABLE	CABLE	MISC CABLE	OH/REP	CABLE	CABLE	CABLE	CABLE	MISC CABLE	OH/REP	SABLE	
	LABC	S O S	80400	0 CM 10	00.005.2	00483	00112	00000	00110	001100	69400	20800	00883	46800	00110	0 0 M 5 G	00457	00869	00MS3	00MS4	001155	99#00	00M57	69400	00MB3	001154	1
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) }		CT C	23009	23030	23:00	23100	23100	23100	23100	23100	23100	23100	23103	23103	23103	23103	23103	23163	23107	23107	23107	23107	23107	23107	23109	23108	
	,	FAG	-	-	***	-	-	-	-	-	-	-	-	-	•	_	-	-	-	•	-	-			-	-	4
	MTPC	ACC FAC	BTPCC	MTPCC	#19CC	MTPCC	WTPCC	MIPCC	#TPCC	#:PCC	STACC	BTPCC	BTPCC	BIPCC	BIPCC	BIPCC	BIPCC	WTFCC	MTPCC	BTPCC	BTPCC	BIPCC	MIPCC	BIFCC	MTPCC	BIPCC	

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		KYJ	LAROR STANDARD MASTER FILE			09/3	<	- E 0 4	5B - MM	A-E0468-MM3-MX-290	à	PAGE	n
RCC FAC CTL	ەر م	OP R.R.	ESCRIPT	พีซี	SKILL OCCUR	CA COUNT	-	TYPE	STD	LAST OPER	<	A FLOW	¥ S
MTPCC # 23109	< ⊙	0011137	CABLE 42347		۵۷ ،		EA		4,20	84361	×		0
MTPCC 1 23109	a	69400	MISC CABLE		1 ,0	00 E	EAN		2 50	85297	¥		0
MTPCC 1 23111	«	00M52	LEAD-LH 10-380111-1	2 :-	D. 1	. on E	EAN	_	3.87	81068	×		0
MTPCC 1 23111	< -	00463	LEAD - RH 10-380110-1	3	DV 1.	. 00 .	EAN	_	3.87	85319	×		0
MTPCC 1 23111	«	001112	LEAD 2EA. 10-380463-1	2 - 2	1.	.00	EAR	_	5.36	85319	×		0
MTPCC 1 23111	< -	001100	CABLE 10-352825-1 6	804N	D. 1.	9 00.	EA		00.1	85337	×		o,
MTPCC 1 23111	<	001110	CABLE HAD14478	4478	٠. ١	.00	EAN	_	*	85337	¥		o.
MTPCC 1 23111	8	001100	CABLE 10-352825-1 #	804N) 1 ×0	. 00 E	EAZ		.50	84105	×		0
MTPCC 1 23111	a	00000	MISC CABLE	309N	DV 1.	.00	EA N	_	2.50	85297	∢		0
MTPCC 1 23119	<	00833	OH/REP IGNITION TRANSFORMER	46 P	7.	. 00 E	EA	_	0	84361	L		o,
MTPCC 1 23119	<	00M54	CABLE 42189	•	1.	. 00 E	EA	_	6.10	84361	u.		e.
MTPCC 1 23119	∢	00000	OH/REP CABLE		1.	.00	EA N	_	9.00	86303	*		o,
MTPCC 1 23119	<	90000	CABLE 42191	_	1.1	. 00	E A N		4.30	84361	L		o.
MTPCC 1 23119	۷	0.0457	CABLE 42347		DY 1.	3 00 .	E A 2	Ì	4.20	84361	L		0
MTPCC 1 23301	<	00200	CABLE EXCTR 8/5/1 49110-1028	102H	DV 1.	. 00 .	EAR	_		82044	×		0
MTPCC 1 23301	<	1 5400	CABLE EXCTR L/S/1 49111 1	102%	٥٠ ١٠	.00	EAN		9	B 2044	×		•
MTPCC 1 23301	∢	001852	CABLE TO REAR 484340 1	102N	DY 1.0	.00	E A		. 93	82044	×		o.
MTPCC (2330)	۷	00883	CABLE TO FRONT 481618 1	102K	٥٠ ، ،	3 00.	EA N		. 83	82044	×		•
MTPCC 1 23301	۷		MIS CABLE REP	102M	DY 1.0	3 00.	£ A &		.25	81018	¥		•
MTFCC 1 23301	•	001100	CABLE EXCTR R/S/I 49110 2	202N	1.0	. 00 E	EA		.34	82044	×		0
MYPCC 1 23301	£	1 5800	CABLE EXCTR L/S/1 49111 2	202N	DV 1.6	.00 E	EA N		34	82044	×		o,
MTPCC 1 23301	•	00832	CABLE 1/C REAR 484340 2	202N	DV 1.6	.00	EA		. 46	B2044	×		0
MTPCC 1 23301	•	00883	CABLE TO FRONT 481619 2	202N	DV 1.0	. 00 E	EA N		. 46	82044	¥		0
MTPCC 1 23301	40	00800	MISC CABLE REPAIR 2	202K	٥٠ . ٠	. 00 .	EAR		. 28	82044	×		•
WTPCC 1 23302	∢	00800	D/H CABLE 40780		DV 1.6	.00	E .	-	. 36	86336	¥		o.
MTPCC 1 23302	∢	00183	0/H CABLE 434505		٥٠ ، ٠	. 00 .	EAR		. 93	86322	×		•

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STPC		141	BOR STANDARD MASTER FILE			09/3		A-E(1468-MN	A - E046B - MM3 - MX - 290	•	PAGE	4	
RCC FAC	CYL ON DO	OPER	OPERATION DESCRIPTION	O	SKILL CODE F	FACTOR (COUNT	TYPE STD	STD HOURS	LAST	OPER	A/R C00	FLOW	
MTPCC 1 2	23302 /	00883	O/H CABLE 41039		۵	1.00	EA	z	4.21	86336		×	°.	
MIPCC 1 2	23302 4	1 00MB4	O/H CABLE 41038		À	00	EA	z	4.21	86336		¥	•	
MTPCC 1 2	23303 A	00818	CABLE 419323	102N	۵	1.00	EA	2	1.86	81018		×	°.	
MTPCG 1 2	23303 A	00800	CABLE 448617	1028	۵	1.00	EA	z		81018		×	٥.	
MYPCC 1 2	23303 A	1 00852	CABLE 1F33, P3		A	1.00	EA	z	80	87113		¥	°.	
MTPCC 1 2	23303 A	00883	CABLE 10-166496-1	1028	۵	1.00	EA	2	. 83	81015		×	Ó	
MTPCC 1 2	23303 A	00M84	CABLE 10-166487-1	1024	۵	1.00	EA	z	8.	8:015		×	°.	
MTPCC 1 2	23303 A	00000	CABLE 10-156458-1	102N	٨٥	1.00	EA	2	. 17	81018		×	°.	
MTPCC 1 2	23303 A	00000	MISC CABLE REPAIR	1028	۵ ۸	1.00	EA	2	. 25	81018		×	°.	
MIPCC 1 2	23303 A	0.000	ENGINE ACCESS	1028	۵	1.00	EA	2	4.40	81018		×	°.	
MTPCC 1 2	23303	001100	MISC CABLE REPAIR	1028	À	1.00	EA	z	. 25	81017		×	°.	
MIPCC 1 2	23308 A	001100	CABLE 40780	102N	۵	1.00	EA	z	1.36	81018		×	°.	
MTPCC 1 2	23305 A	1 9800	SELTCH ABLESS		λ	1.00	EA	z	2.05	87113		×	°.	
MTPCC 1 2	23305 A	00162	CABLE 434505	102N	٨	1.00	EA	z	. 93	81015		×	•	
MTPCC 1 2	2330B A	00883	HABNESS 41039	102N	۵	1.00	EA	2	4.21	81018		×	•	
MTPCC 1 2	23308 A	00M34	HARNESS 41018	102N	۵	1.03	EA	2	4.21	81018		×	°.	
MTPCC 1 2:	23305 A	00M69	MISC CABLE REPAIR	102N	٥	1.00	EA	z	. 25	81015		¥	٥.	
MTPCG 1 2:	23308 A	00883	ENGINE ACCESS	1028	^ 0	1.00	EA	2	11.10	82044		×	é	
MTPCC 1 2:	2330B A	CHMS 1	CABLE TR REAR	102N	۵	1.00	EA	2	80	81018		×	°.	
MTPCC 1 2:	23308 8	0000	SWITCH 377102	202N	٨	1.00	EA	z	2.05	82051		×	•	
MITPOD 1 2:	23308 8	001162	CABLE 434508	1028	λ	1.00	£	2	.27	81018		×	°.	
MTPCC 1 2:	23308 B	00463	CABLE 41039	102N	40	1.00	EA	z	9.	81018		×	ó	
MITPOG 1 2:	23308 8	00MS4	CABLE 41038	1028	Þ	1.00	EA	z	1.59	81015		×	•	
MTPCC 1 2:	23368 B	00800	MISC CABLE REPAIR	102N	۵	1.00	EA	2	. 33	81018		×	°.	
MIPCC 1 2:	23306 8	COMSI	CABLE TO REAR 421486	1028	٨	1.00	EA	z	.77	81015		¥	°.	
MTPCC 1 2:	23308 8	CCMBO	CABLE 40780	102M	70	1.00	EA	z	. 22	81015		×	0.	

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OPER LA	4 ×0	BOR STANDARD MASTER FILE OPERATION DESCRIPTION	SKILL	L OCCUR FACTOR C	COUNT	j	STD	LAST OPER REVIEW IND	A/A 00	F.C.
0011130	0	CABLE 41804	106N DY	1.00	EA	z	4.01	81137	×	°.
00112	50	HI-TENS LEAD	102N DY	1.00	EA	z	4.29	81015	×	°.
00452	80	484340	106N DY	1.00	EA	2	1.01	B2044	×	٥.
COMES	80	CABLE 481619	106N DY	1.00	EA	z	1.01	82044	×	Ö
69800	69	MIS CABLE REP	106N DY	00	EA	z	33	81137	×	•
00800	0	CABLE 42083	102N DY	1.00	EA	2	4.86	B1017	×	°.
O CMO	-	CABLE 42084	102M DY	1.00	EA	2	4 . 56	81017	×	Ö
00M52	15.2	CABLE 434505	102N DY	1.00	EA	z	. 93	81017	×	°.
68800	6	MISC CABLE	102N DY	1.00	EA	2	. 25	B1017	¥	°.
OCMS 1	5	CABLE HT 42054	102N DY	1.00	EA	2	ea.	81017	¥	0.
SOMOO	91	MISC CABLE REPAIR	102N DY	1.00	EA	z	. 25	81017	×	0.
CEMBO	9	CABLE 42053	102M DY	1.00	EA	2		8 1017	×	Ö
0 CM 1 S		O/H CABLE 419323	4	1.00	EA	z	1.86	86256	×	°.
OCMOO	9	O/H CABLE 448617	٥	1.00	EA	z	- 86	86256	×	•
00883	63	RECOND CABLE 10-166496-1	۵	1.00	EA	2	. 83	86259	×	Ö
OCM54	7	O/H CABLE 10-166497-1	۵	1.00	EA	z	83	86256	×	ó
0 CM55	22	O/H CABLE 10-166498-1	ργ	1.00	EA	2	. 77	86256	×	•
98800	:	TF4: 15 TEMP BOX 6861895	à	1.00	EA	2	.71	86220	×	°.
00887	2	1F4: THERMO T-: 8866874	λQ	1.00	EA	x	. 73	8620B	×	°.
00116	**	TF41 LEAD ASSY R/H 6865871	71 DY	1.00	EA	2	.90	86212	×	°.
00869	9	MISC CABLE REP	TO NEOT	1.00	EA	z	. 25	8 1017	×	°.
00410	0,	TF41 PWR HARNESS 6868773	À	1.00	EA	2	8.33	86223	×	°.
00813	23	TF41 THERMAL BLUB 686167:	3 07	1.00	EA	z	. 50	86139	×	•
47400	4.	TF41 PRESS F/SWITCH 8868300	300 DY	1.00	EA	z	.97	86139	*	°.
001175	7.5	TF4: 18 HARNESS 6861778	۵	1.00	EA	z		06198	¥	°.
00M76	•	TF41 TB HARNESS POS 6866872	172 DY	1.00	EA	2	. 17	86190	¥	°.

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MTPC			LAB	TS NO	LABOR STANDARD MASTER FILE 09/3	_	A-E0468-M	A-E0468-MM3-MX-290	PAGE	E 6
RCC FAC	STL	70	OPER	OPER	OPERATION DESCRIPTION SKILL OCCUR L	COUNT	TYPE STD	LAST OPER	A/R CD	FLOW
MTPCG 1	24101 A	<	00477	1641	TE HARNESS NEG 686873 DV 1.00	EA	77. M	10191	¥	ó
MTPCC .	24101	<	00M78	1641	LEAD ASSY L/H 6865872 DY 1.00	EA	2	86192	×	o.
mrece 1	24101	=	99800	1641	IN TEMP BOX 6861898 DY 1.00	43	£8. ⊀	86220	×	•
MTPCC 1	24101	•	00887	1641	THERMO 1-1 6868874 DY 1.60	EA	. 54	86209	¥	°.
WIPCC 1	24101	•		1F41	LEAD ASSY R/H 6865871 DY 1.00	EA	. 87	86212	×	°.
MTPGC 1	24101			S 18	CABLE 111N DY 1.00	43	3	81332	×	°.
MTPGC 1	24101		001110	1641	PUR HARNESS GREETTS DY 1.00	EA	N 6.24	1 86223	×	°.
MTPCC 1	24101	•	00M73	1641	THERMAL BLUB 6951673 DV 1.00	EA	7E. N	86139	×	°.
MTPCC .	24101	•	00M74	TF 41	PRESS F/SMITCH 8868300 DV 1.00	EA	. 73	1 86139	¥	•
mrecc :	24101		90M75	1F 41	TS HARNESS ASY 8861778 DY 1.00	EA	x	186190	¥	°.
MTPCC 1	24101	•	00M76	1641	TB HARNESS POS 6866872 DY 1.00	EA	79. R	86190	¥	0.
BYPCC'!	24101	•	00117	1541	TS HARNESS NEG 8868873 DV 1.00	£ A	. 87	86191	×	°.
MIPCC :	24101		00M78	1641	LEAD ASSY L/H 6865872 DV 1.00	EA	₩. ×	88192	×	°.
MIPCC 1	24101		00M79	488	TF41 CABLE 23004350 DY 1.00	EA	7C. N	88012	×	•
MTPCC 1	24101	v	90700	TOR	ENG ACCY TF41A! 102N DY 1.00	EA	1.00	8:017	×	0.
MIPCC 1	24102	∢	OCMS 1	1541	T3 HARNESS ASSY 6887264 DY 1.00	EA .	38	1 81017	×	٥.
MIPCC 1	24102	<	00MS2	MON	WORKHORSE HARNS 6867264 102N DY 1.00	EA	ē.	81017	¥	•
MIPCC 1	24102 A	<	00M99	7641	LEAD ASSY TS 6865848 DY 1.00	4	89 .	1 81017	×	o,
MTPCC 1	24102	<	*****	1641	TE TEMP BOX 6861895 DY 1.00	EA	.7.	88220	×	°.
MTPCC 1	24102	<	00.467	154:	THERMO T-1 6866879 DY 1.00	EA	. 73	86209	×	°.
#IPCC 1	24102 A	<		TF 41	LEAD ASSY R/H 6865871 DY 1.00	EA	06. ₩	88212	×	o,
MTPCC 1	24102	<	0000	M 1 SC	CABLE REPAIR 102N DY 1.00	EA	. 28	1 81017	×	o,
MTPCC 1	24102	<	30M76	H/0	O/H TF41 PW HARNESS 6899461 DY 1.00	EA	N 11.00	85081	¥	0.
BTPCC 1	24102	4	00873	1641	THERMAL GLUB 6881673 DY 1.00	£A	. s	86139	×	0.
MTPCC 1	24102 A	<	00M74	TF 41	PRESS F/SWITCH 6868300 DY 1.00	EA	. s	86139	×	•
MTPCC 1	24102 A	<	00878	1641	TS LEAD ASSY 6866304 DY 1.00	EA	89 ·	86190	×	•

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	PAGE	A/A CO	×	×	×	¥	×	×	×	¥	×	¥	×	×	×	×	×	×	¥	×	×	<	<	<	<	¥	<	×
	٥	OPER																										
	3-MX-29	LAST REVIEW	86191	86191	88192	8:140	86223	86212	86220	86209	86212	86220	85343	86139	86139	86190	16191	86191	86192	81140	81020	87266	87268	87266	87266	87266	B7267	87267
	A-E0468-MM3-MX-290	STD	.77	. 11	8	.8.	.0	10	. 83	. 84	. 67		8 . 25	.37	.73		.87	.87	.67	. 86	1.22	1.00	.71	. 73	06		.80	.97
	A-E0	STO	2	z	z	2	z	z	2	z	2	2	z	z	2	2	z	2	z	2	2	z	æ	2	2	2	2	2
<u>.</u>	0	COUNT	E	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	EA	£¥	EA	EA	£A	EA	EA	E	£¥	EA	43	EA	EA
3	08/30	FACTOR C	00.1	1.00	00.1	00.1	1.00	1.00	00.1	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	00	00	1.00
		SKILL CODE FA	۵	٥٨	Ď	۵	٥	۵	۵	۵	۵	۵	٥	۵	۵	٨	<u>۵</u>	À	۵	٨	٨	٨	٨	٥	۸ ۵	٥,	2	٨
	ABOR STANDARD MASTER FILE	OPERATION DESCRIPTION	E TF41 TS HARNESS POS 6866872	7 TF41 TS HARNESS NEG 6866873	R TF41 LEAD ASSY L/H 6865872	1 TF41 13 HARNESS ASSY 6867264	2 WORKHORSE HARNS 6867264	1 1541 LEAD ASSY 15 4865048	S TF41 TIS TEMP BOX 6881895	7 TF41 THERMO 7-1 6866879	TEAL LEAD ASSY R/H 6865871	TEAT MISC CABLE REPAIR	TEAL PR HARNESS ASSY 6899451	TEAL THERMAL BLUB 6881673	TEAT PRESS F/SWITCH 6866300	1 TF41 TB LEAD ASV 6868304	TEAT TO HARNESS POS 8888872	TF41 TS HARNESS NEG 6866973	I TF41 LEAD ASSV L/H 6865872	TOR ENG ACCY TF41-A2 106M	TOR TF41-A400 ENG ACCY 102N	RECODE EMS HARNESS 23006511	: REP 1541 15 16MP BOX 6879616	REP TF41 THERMO TI 6868983	1 REP TF41 LEAD R H 6892439	MED TEAL DWN HARNESS GBBUIDS	151	REP 1541 F PRESS SW 6866300
	LA	90	90876	00877	00M7#	0045	001152	00115	98800	00887	0011	00860	00110	00M73	44.00	87800	001176	001177	00M78	90M00	90M00	0 1 100	0 0 M EI &	00067	00000	00810	00873	00M74
		CT.	24102 A	24102 A	24102 A	24102 8	24102 8	24102 B	24102 #	24102 8	24102 8	24102 8	24102 .	24102 8	24102	24102 8	24102 8	24102 8	24102 B	24102 G	24104 G	24402 A	24402 A	24402 A	24402 A	24402 A		24402 A
1	MTPC	RCC FAC	MTPCC 1	MTPCC 1	MTPCC 1	MTPCC 1	MTPCC 1	MTPCC 1	BTPCC 1	MTPCC 1	MTPCC 1	MTPCC 1	MTPCC 1	BTPCC 1	MTPCC 1	MTPCC 1	MTPCC +	MTPCC 1	MTPCC 1	MTPCC 1	MTPCC 1	MTPCC :	MTPCC 1	MTPCC 1	MTPCC 1	MTPCC 1	-	MTPCC 1

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MTPC		LAE	BOR STANDARD MASTER FILE		7/60	.,	A-EC	468-MM	A-E046B-MM3-MX-290	ο.	PAGE	c
ACC FAC	CTL 2	OPER	OPERATION DESCRIPTION	SKILL CODE F.	FACTOR	COUNT	STD	STD HOURS	LAST OPER REVIEW IND	ER A/R		FLOW
MTPCC 1 24	24402 A	00M75	REP TF41 TS LEAD 6868304	۵	1.00	EA	2	99.	87267	×		o.
MTPCC 1 24	24402 A	00M76	REP TF41 T5 HARN POS 5869697	۸۵ .	1.00	EA	z	.77	87267	•		o.
MTPCC 1 24	24402 A	00477	REP IF41 TS HARN NEG 6869696	A 0	4.00	EA	2	.77	87267	∢		o (
MTPCC 1 244	24403 A	00M7#	REP 1F41 LEAD L H 6892440	^	1.00	EA	z	0	87267	<		0,
MTPCC 1 244	24402 B	0 0 44 1 0	RECODE TF41 EMS H 23008119	٥	1.00	EA	2	. 78	87273	<		•
MTPCG 1 24	24402 8	0 0 MS 1	REP TEAT TO HARN 6889984	۵	1.00	EA	3	•	87278	*		٥.
MTPCC 1 244	24402 8	00466	REP TEAT TE JUNC BOX 6879616	۵,	1.00	EA	z	.83	87273	<		o,
WIPCC 1 24	24402	001167	REP TF41 T1 THEREO 6869997	۵	1.00	EA	z	, 4	87273	•		0.
MTPCC 1 244	24402 8	0.0446.8	REP TF41 1GN LD R H 6892440	۵	1.00	EA	2	.67	87273	<		o.
MTPCC 1 24402	102	00410	REP TF41 PWR HARNESS 6889452	۵	1.00	EA	z	2.10	87272	<		o,
MTPCC 1 244	24402 8	00M76	REP 1F41 15 HARN POS 6869697	:	1.00	EA	z	.57	87273	×		0
MTPC0 1 24402	102	00M77	AEF 1741 18 LANK NEG SESSESS	٨	1.00	EA	2	.87	87278	∢		o,
MTPCC 1 24402	102 8	00M78	REP 1F41 LEAD L/H 6892439	À	1.00	£A	2	.67	87278	<		0.
MTPCC 1 24402	102 P	8CM00	REP TF41 T1 LEAD 6869997	٥	1.00	E	z	.37	87278	<		0.
MTPCC 1 25743	43 A	001100	LEAD 10-106815-1J87-43 102N	٥	1.00	EA	2		B1022	×		o.
MTPCC 1 25743	4 64	0 0 MS 1	LEAD 10-111800-1 JB7-43 102M	^ 0	1.00	EA	z	5.50	88187	×		°.
MTPCC 1 25743	4 6 P	00M52	LEAD 10-160116-1 J57-43 102N	٨	1.00	EA	2	. 68	81022	×		•
MTPCC 1 25743	43 A	004033	LEAD 10-160115-1 JB7-43 102N	٥	1.00	4	2		B1022	×		•
MTFCC 1 25743	43 A	00M54	HARNESS J87-43 348262 201N	٥٨	1.00	4	2	. 83	82191	L .		o.
MTPCC 1 25743	43 A	00855	MARNESS 323145 J57-43 102N	٨	1.00	EA	2	. 93	81022	¥		°.
MTPCC 1 25743	43 A	901100	CABLE 10-168491-1 J5-43 102N	۵	1.00	EA	*	A.	81022	×		o,
MTPCG 1 25743	43 A	00MS1	CABLE 10-111805-1 102N	۵	1.00	EA	2	1.48	B1022	¥		o,
MTPCC 1 25743	43 A	8 9 M C O	MISC CABLE REP J57-43 102N	٨	1.00	EA	z	. 25	81022	¥		۰.
MTPCC (25743	43 8		MICS CABLE REPAIR 102N	۵,	00.	EA	2	. 26	B1022	×		°.
MTPCC 1 27914	V +:	00M25	J79 THR LEAD FLEX 108C2889P1	ρΛ	1.00	£.A	2		83176	×		٥.
MTPCC 1 27914	4 7 10	001130	J79 CABLE 1GN 41825 306N	٥	1.00	EA	z	. 47	83176	¥		0

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CTL J OPER NO D NO 27914 A COM3S 27914 A COM40				}	,						
• •	BOR	STANDARD MASTER FILE		09/3	ń	A-E0	A-E0468-MM3-MX	- 29		e e	6
A 00143		OPERATION DESCRIPTION	SKILL	L OCCUR FACTOR	COUNT	STD	STD	LAST OF	OPER	A/R CD	FLOW
1-MOO 4	8 3.19	LEAD MAIN #2 5170377P2	۵	1.00	ΕA	2	4	83176		×	°.
	975 0	CAB IGN MAIN 106C5282P1	٥	1.00	EA	z	. 53	83176		×	٥.
A 00M:45	5 379	LEAD 1GN A/8 5120833P3	۵	1.00	EA	2	. 48	83176		×	٥.
A CONISO	9179	THR LEAD RIG 106C2681P2	۵	1.00	٤٧	2	8	83176		¥	°.
A COMISS	6 779	ELECT CABLE 3015MISP!	٥	1.00	E.A	2	4.	83176		×	٥.
A 0014150	975 0	CABLE ASSY BO14M45P02	۵	1.00	EA	2	. 67	83176		×	°.
A 00465	5 379	LEAD IGN 10585422P1 306N	٥	1.00	EA	2	. 50	83176		×	٥.
A 00M70	975 0	CABLE ASSY 5170579P01	٥	1.00	EA	z	2.75	88182		×	°.
A 001475	8 7 2	CABLE 10582411F2 306N	۵	1.00	EA	2	. 50	83176		¥	٥.
B 00M25	8 578	THR LEAD FLEX 106C2689F1	۵	1.00	EA	2	.02	83176		×	Ó
B 00M30	970 0	CABLE 1GN 41825 306N	٨	1.00	EA	z	. 02	83176		×	°.
8 00M38	8 .7.8	LEAD MAIM #2 8170377P2	٨	1.00	43	2	.02	83176		×	°.
0 00M:10	947	CAR IGN MAIN 106C5282P1	۵	1.00	EA	z	.02	83176		×	°
B	8 778	LEAD IGN A/8 5120833P3	۵	1.00	EA	z	0.2	83176		×	•
3 00MBG	378	THR LEAD RIG 106C26B1P2	۵	1.00	EA	2	.02	83176		×	°.
00415	272	ELECT CABLE 3015M19P1	λQ	1.00	EA	2	. 02	83176		×	°.
8 00M60	917	CABLE ASSY BO14M45P02	٥	1.00	EA	z	. 02	83176		×	•
8 00M(55	378	LEAD IGN 10585422P1 306N	۵	1.00	E A	z	. 02	83176		×	°.
0 00M70	379	CABLE ASSY 817D579P01	۵	1.00	EA	z	.03	88 182		×	°,
8 00M75	379	CABLE 10582411P2 306N	4	1.00	EA	z	. 02	83176		×	°.
00425	278	LEAD THR FLEX 106C2889P1	٥	1.00	EA	2	. 88	81290		×	٥.
00M30	378	CAB IGNITION 41825 109N	۵	1.00	EA	2	.47	81290		×	°.
A 00M35	975	LEAD MAIN 1GN 517037792	٥	1.00	€A	2	4	81301		×	<u>°</u> .
01M00 4	910	CAB MAIN IGN 106C52B2P1	۵	1.00	EA	2	.63	81290		×	Ó
A 0016-15	J79	LEAD IGN A/B 512083323	۵	. 00	EA	z	4.	81318		×	٥.
A 00M50	379	THR LEAD RIG 106C2691P2	٥	1.00	EA	z	. 55	81290		×	°.

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MIPC		I. AE	LABOR STANDARD MASTER FILE		./60	,	A-E0	468-MW	-E0468-MM3-MX-290	_	PAGE	0	
RCC FAC	C 110	OPER	OPERATION DESCRIPTION	SKILL CODE F	L OCCUR	COUNT	STD	STO	LAST C	OPER	A/R CD	FLOW	
MIPCC 1	27815 A	00485	J79 ELECT GABLE 3015M19P1	۵	1.00	EA	z	4.	81290		×	°.	
MIPCC 1	27915 A	001100	J79 CABLE ASSY 5014M45P02	٥	1.00	£ A	2	57	81301		×	°.	
MTPCC 1	27915 A	00865	J79 LEAD IGN 10586422P1	۵	1.00	EA	2	. 80	81301		¥	°.	
MTPCC 1	27815 A	00810	JTB CABLE ASSY BITOBTOPOL	۵۷	1.00	EA	2	2.75	88182		×	o.	
MTPCC 1	27915 A	00M75	J79 CAS SPEC PUR 10582411P2	۵	00	EA	z	. 50	81315		¥	0	
MTPGC 1	27915	00875	JTB LEAD THR FLEX 106C2889P1	λQ	1.00	EA	2	. 02	82233		×	°.	
MTPCC 1	27915 8	001130	J19 CAB 16NITION 41825 109N	40	1.00	EA	2	.02	82233		×	°.	
MTPCC 1	27915 8	001135	J78 LEAD MAIN IGN 5175377P2	٥	1.00	EA	2	. 02	82233		×	°.	
MTPCC 1	27915 B	07700	J79 CAB MAIN IGN 106C5282P1	۵	1.00	EA	z	.02	82233		×	o,	
MTPCC 1	27915 8	008.45	J79 LEAD 1GN A/8 5120833P3	٥	1.00	EA	z	.02	82233		×	°.	
MIPCC 1 3	27915 8	0 0 MIS 0	J79 THR LEAD RIG 106C2691P2	٥	1.00	EA	z	. 02	82233		¥	°.	
STPGC :	27915 8	0011315	J79 ELECT CABLE 3015M19P1	٥	1.00	EA	2	. 02	82233		¥	°.	
WTPCC 1	27915 8	0000	J79 CABLE ASSY SO14#45P02	40	1.00	EA	2	.02	82233		×	°.	
MTPCC 1	27915 B	00000	J79 LEAD IGN 10585422P1	۵	1.00	EA	z	07	82233		×	٥.	
MTPCC 1 :	27815 8	00110	J79 CABLE ASSV 8170579P01	۵	1.00	EA	z	.03	88182		×	o,	
MIPCC 1	2791S B	001175	J79 CAB SPEC PUR 10582411P2	۵	1.00	EA	2	.02	82233		¥	o.	
MTPCC 1	27916 A	00M22	J79 SWITCH BO32M29PO1	٨	1.00	ΕA	z	.50	83239		×	•	
MIPCC 1	27916 A	00825	J79 THR LEAD FLEX 108C2889P1	۵	1.00	EA	2	. 83	83187		¥	°.	
MTPCC 1 :	27916 A	001130	J79 CABLE IGN 41825 306N	۵	1.00	EA	z	.47	83187		×	°.	
MIPCC 1	27916 A	001835	J79 LEAD MAIN IGN 5170377P2	٨	1 00	EA	z	ů.	83187		×	•	
MIPCC 1 3	27918 A	00840	JTG CAB IGN MAIN 106C5282P1	۵	1.00	EA	2	. 83	83187		¥	o,	
MIPCC 1	27818 A	00845	J79 LEAD IGN A/8 5170818P01	٥	1.00	EA	2	. 48	83187		×	°.	
MIPCC 1	27916 A	00000	J79 THER LEAD RIG 106C2691P2	٨	1 00	EA	z	, 80 80	83187		¥	٥.	
myPcc 1	27916 A	00855	J79 ELECT CABLE SO35M75P01	٨	1.00	£A	z	. 43	83187		×	o.	
MTPCC 1	27918 A	001100	J79 CAB SPEC PUR 5014M45P02	٥	1.00	EA	2	.87	83187		×	o.	
MIPCC .	27916 A	OOMES	J79 LEAD IGN 10585422P1	۵	1.00	₩	2	, 0	83187		×	0	

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		A-E0468-MM3-MX-290	LAST	88182	83187	83187	13104	81290	81290	81290	81290	81290	B 1290	81290	#1301	81318	88182	81318	82219	83260	82233	82233	82233	82233	82233	82233	82233	82233	82230
		468-MM	STD HOURS	2.78	.50	4.	. 50	80	. 47		. 83	4	8. 80	. 43	. 57	. 50	2.75	80	4	. 25	.02	. 02	. 02	. 02	. 02	.02	. 02	. 02	.02
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6	Ì	06/60	FACTOR (÷.00	00 1	1.00	1.00	1.00	1.00	. 00	0	1.00	. 00	1.00	1.00	1.00	1.00	1.00	. 00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
			SKILL CODE F.	۵	۵	٥	٥	٨	4	٥	٥	٥	۵	٨	۵	À	٨	ργ	۵	٨	٥	۵	٨	٨	٥	٨	۵۷	۵	^
		BOR STANDARD MASTER FILE	OPERATION DESCRIPTION	J79 CAB LEAD ELEC BO35M94P01	J79 CAS SPEC PUR 10582411P2	J79 LEAD ELECT B032M26P02	LTS SEITCH BOSSESSPOT	J79 LEAD THR FLEX 106C2689P1	J79 CABLE TON 41825	JTB LEAD MAIN 10N BITD377P2	J79 CAB MAIN IGN 106C5282P1	J78 LEAD IGN A/B S170818PO!	J79 THER LEAD RIG TOSC2891P2	J79 ELECT CABLE BO35M75P01	J79 CABLE ASSY BOIAMASPO2	J78 LEAD IGN 10585422P1	J79 LEAD ELECT SO35M94P01	J78 CAB SPEC PUR 10882411P2	J78 ELECT LEAD BO32M26P02	J79 SELICH B032829P01	J79 LEAD THR FLEX 108C2889P1	J79 CABLE IGN 41828	J79 LEAD MAIN IGN 5170377P2	J79 CAB MAIN IGN 108C5282P1	J79 LEAD IGN A/8 5170818701	179 THR LEAD RIG 106C2691P2	J79 ELECT CABLE 5035M78P01	J78 CABLE ASSY SO14M46P02	J79 LEAD IGN 10585422P1
	!	4	OPER	00810	00M75	001100	00#22	001125	00#30	00835	001140	00845	00820	00M55	00880	00	00110	00M75	00880	001822	00425	001100	00M35	00840	00M45	001100	00MS5	00880	001165
			70	<	<	<	<	∢	<	4	•	<	<	<	<	<	<	<	<	-	•		•	*	*	60			
			CTL	27918	27916	27916	27817	27917	27917	27917	27917	27917	27917	27917	27917	27917	27917	27817	27817	27917	27917	27817	27917	27817	27917	27917	27817	27917	27917
			FAC	-	-	-	-	_	-		-	-	-	_	-		-	_	-	_	-	-	_	-	-	_	_	•	-
		MTPC	RCC FAC	MTPCC	MTPCC	MTPCC	MTPCC	MTPCC	MTPCC	MTPCC	MTPCC	MTPCC	MTPCC	MTPCC	MTPCC	MIPCC	MIPCC	MIPCC	MIPCC	MTPCC	MTPCC	MTPCC	MTPCC	MTPCC	BTPCC	MIPCC	BIFCC	MTPCC	MTPCC

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CALM		LAB	BOR STANDARD MASTER FILE		5/60	5	A-E0	468-MM	A-E0468-MM3-MX-290	PAGE	3E 12	
RCC FAC	CTL 2	0 #3		SKILL	OCCUR	COUNT	TYPE	STD	LAST OPER REVIEW IND	ER A/R	FLOW	
1 2001	27817 8	0.000	179 LEAD ELECT BOJSM94PO1	٥	1.00	EA	z	. 03	88182	×	°.	
200	27917 8	00113	179 CAS SPEC PUR 10582411	P2 0V	1.00	EA	z	. 02	82233	×	•	
2001	9,1917	00000	J79 ELECT LEA	ò	1.00	ΕΛ	2	.02	83176	×	°.	
	27918	0.01122	947	۵	1.00	EA	z	90	83239	¥	°.	
, ,	27018	001125	27.8	9P 1 DV	1.00	EA	z	n 0	83187	×	°.	
MTPCC 1	27818 A	001130	J79 CABLE 1GN 418	٥	1.00	EA	2	.47	83187	×	°.	
MT DCC	27818 A	80900	278	P2 DV	1.00	EA	2	.84	83187	¥	°.	
200	27918	001140	847	P1 DY	1.00	EA	2	.83	83187	×	•	
1 0004	27918 A	00845	J79 LEAD 1GM	99	1.00	EA	2	. 48	83187	×	°.	_
	27818	001120	LYB THER	10 Z DY	1.00	EA	2	8	83187	×	°.	_
	27818 A	99400	JAS ELECT	1 0 4	1.00	EA	z	. 48	83187	¥	٥.	_
MTPCC	27818 A	0 2 4 0 0	J79 CABLE	۵	1.00	EA	2	.87	18168	×	•	_
	2791E A	0 0 E E	JOB LEAD IGH 10	À	1.00	EA	z	8.	83187	×	°.	_
	27818	00110	67.7	٥	٠. ٥٥	EA	z	2.75	88182	×	•	
2001	97918	0.01178	J78 CABLE	1P2 DY	00	EA	2	. 80	83187	×	•	_
1 0001	27818 A	001100	J79 LEAD ELECT	۵	1.00	EA	.2	4.	83187	×	°,	
1000	27918 5	001122	345	٥	1.00	EA	z	. 25	83239	×	•	
MTPCC 1	27918 8	00#15	270	SP1 DY	1.00	EA	z	. 02	83176	¥	°.	_
T DOG 1	27918	001100	JAS CABL	٥	1.00	EA	2	.02	83211	×	°.	
	27918 8	2000	J79 LEAD MAIN	P2 DY	1.00	EA	z	. 02	83176	¥	°.	_
	27018	00840	478	P1 0Y	1.00	EA	2	.02	83176	×	°.	
	27918	00845	J79 LEAD IGN	01 DY	1.00	EA	2	.02	83176	×	ĭ	0
	27018	900	J79 THER LEAD RIG	1P2 DY	1.00	EA	z	. 02	83176	¥	٥.	•
	23010	200	179 FIFET CABL	-	1.00	E.A.	2	.02	83176	×	٥.	•
20012	27618 8	00880	J79 CABLE	۵	1.00	EA	2	. 02	83176	×	Ϋ.	•
MTPCC 1	27918 8	001100	J79 LEAD IGN 10	DY	1.00	EA	2	. 02	83176	¥	°.	•

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		290	T OPER	*	v	•	•	2	4	4	4	4		7	1	7	8	7	7	6	a	•	7	•		7	-	9	•
		- XX-0	LAST REVIEW	88 182	83176	8317	83239	83187	83187	83187	83187	83187	83187	83187	83187	83187	8818	83187	B3187	81259	81259	81259	86177	80208	£1022	82247	80211	80208	8.110
		A-E0468-MM3-MX-290	STD	.03	. 02	•	.80	ę,	.47	8.	.63	. 48	. 89		.87	. 80	2.75	.80	.45	1.00	1.00	1.00		2.30	.37	69.	.03	6	90.
		A-E	SID	z	z	2	2	z	2	z	z	2	Z	z	2	2	z	2	2	z	2	2	z	x	2	2	2	2	z
لايم	ž	36	COUNT	EA	EA	EA	EA	EA	EA	EA	₩ ¥	EA	EA	EA	EA	EA	EA	EA	EA	EA	E >	EA	EA	EA	EA	EA	EA	EA	EA
4	7	09/30	SKILL OCCUR	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	00.1	1.00	1.00	1.00	1 00
			SKILL	۵	Ď	۵	ă	٨	٨	۵	ò	۵	ò	٨	۵	۵	۵	۵	۵	6 2	<u>*</u>	5	8	۵	Þ	٥	٥	Ď	٨
		LABOR STANDARD MASTER FILE	OPERATION DESCRIPTION	0 J79 LEAD ELECT BO35M94PO1	8 J79 CABLE SPE PUR 10582411P2	0 J79 LEAD ELECT 6032M26P02	- CTS SELTCH BOSSESSPOI	B J79 THR LEAD FLEX 106C2689P1	0 J79 CABLE IGN 41825	6 JTS LEAD MAIN IGN 8170377P2	0 J79 CAB MAIN IGN 106C5282P1	5 J79 LEAD IGN A/8 5170818P01	0 JT9 THER LEAD MIG 108C2691P2	B J79 ELECT CABLE BO35M75P01	D JTB CABLE ASSY BOIABASPO2	5 J79 LEAD IGN 10585422P1	0 J79 LEAD ELECT 5035494P01	S J79 CABLE SPE PUR 10582411P2	J JT9 LEAD ELECT BO32W25P02	S SHAFT	S SHAFT	SHAFT 108M	CABLE SENS 10-352647-1	S CABLE BRANCHED 201-3230 007N	REP SOLENOID 698603A 102M	HARNESS P/N 54552 102N	REP CSD HARNESS 692104A007N	REP CSD COMPNIS F-111 007N	HARNESS ASSY CSD 54526 106N
		ì	0 M M 0	00870	00875	0 2 MB	0082	00#28	00830	CMOO	00840	00848	00820	001100	00000	00 M 00	001110	00M75	001100	00408	COMOS	OCHOD	001120	00800	001100	00110	00100	90400	001100
2400	}		CTL C	27918 8	27918 8	27918 B	27919 A	27919 A	27819 A	27919 A	27919 A	27919 A	27819 A	27919 A	27818 A	27819 A	27819 A	27819 A	27919 A	29024 A	28043 A	29412 A	29412 A	30011 A	30035 A	30033 A	30041 A	30048 A	30087 A
•		MIPC	RCC FAC	MIPCC 1	MTPCC 1	WIPCC 1	MTPCC 1	MIFCC 1	MIPCC 1	MTPCC 1	MIPCC 1	MTPCC 1	MTPCC 1	MTPCC 1	mrecc 1	WIPCC 1	WTPCC 1	MTPCC 1	MTPCC 1	MIPCC 1	WTPCC 1	MTPCC 1	MTPCC 1	BTPCC 1	BIPCC 1	MTPCC 1	mTPCC 1	MTPCC 1	MIPCC 1

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MTPC			LABO	ABOR STANDARD MASTER	RD MAS	TER FILE			09/3	e	A-EC	1468-MM	A-E0468-WM3-MX-290	PAGE	14	
RCC FAC	CT. NO D		OPER	OPERATION DESCRIPTION	N DESC	41P110N	ñö	ינור יסני ני	SHILL OCCUR	COUNT	STD	STD	LAST OPER	A CO	FLOW	
BTPCC :	30160 A	OMOG 1	10	ACT		408889	M C 0 0	٨	1.00	EA	z	3.32	80208	×	O,	
MITPCC 1	31261 /	1 00405		SCOOP	N/ d	840246-6	30 L M	8	1.00	43	z	7.24	83015	¥	•	
MTPCC 1	31261 6	2 0080		408/10R	SCOOP	840248-6	007N	*	1.00	£	7	2.50	#020B	×	°.	
MTPCC 1	31288	00000	10	ACTUATOR		4368-1	304N	*	1.00	£	2	3.77	83078	×	o.	
MTPCC 1	31289 A	09800	10	ACT		GYLC 6497	N C 0 0	٨	1.00	EA	z	3.92	80208	×	°.	
MTPCC 1	31364 0	20400		ACT QUAL	ANAL	1008350	N C O O	*	1.00	EA	2	2.00	80217	×	°.	
MTPCC 1	31788 A	50800		ACTUATOR		113838	NSOE	*	1.00	4	z	3,23	80167	×	٥.	
MTPCC 1	31986 A	1001103		ACT		30678-17	N200	۸۸	1.00	EA	z	3.26	80208	×	٥.	
MTPCC +	34685 A	80800		CABLE TF30		P/W 43278		λQ	1.00	EA	2	11.96	18187	*	٥.	
#TPCC 1	34088 G	1 00MOS		PERF TOR	CABLE	ASSV	00 1 M	λ	1.00	EA	2	1.38	80167	<	•	
MTPCC 1	34103 A	00800		OH 7F41 9	D M G	GENER COCCE	•	^	1.00	EA	z	9 .00	80208	×	°.	
MIFCC 1	34163 @	100000	_	4DR/TOR C	GEN	*******	. 0 e k	>	1.00	EA	z	- 30	8:140	×	Ö,	
MTPCC 1	34107 A	10800	_	HARNESS		54552	MC00	>0	1.00	EA	2	. 63	# 0 · 0 #	×	٥,	
MIPCC	34107 G	0000		QUAL ANAL HARNESS	HARN	54552	NC00	7	1.00	EA	z	1.84	80208	×	°.	
MIPCC 1	34108 A	00000		TACH-GENERATOR	ERATOR	6862450	201N	>	1.00	EA	2	7.4	82008	<	°.	
#IPCC -	34146	0000	_	MAJOR RE!	T HIV.	MAJOR REPAIR TRANSDUCER	1 100	>	1.00	EA	2	7.20	B2044	×	°.	
MTPCC +	34148 A	00000	_	STAT RTR	0	0-387825-1	007N	>	1.00	E A	2		80198	¥	°.	
MTPCC 1	34149 A	0000	_	BOXACABLE	lui.	HAD 15 100	308N	۵	1.00	EA	*	3.43	B1327	×	°.	
MTPCC 1	34149 G	00405		BOX & CABLE		HAD 15 100		۵	1.00	EA	2	4.00	88308	<	°,	
MTPCC 1	34156 A	001100	_	CABLE TF-	TF-30 10	0-352650-1	=======================================	٨	1.00	EA	z	3.71	81327	¥	°.	
MTPCC 1	34181 A	00#00		CABLE 1F30		10-352648	207M	>	1.00	EA	2	8.82	82184	L	O,	
MIPCC 1	34161 G	00110	_	CABLE	- N/4	10-352648	2 1 2 N	>	1.00	EA	2	4.80	82345	<	0,	
BTPCC 1	34164 A	OMOO	_	BOXACABLE		HAD14775	308N	٨	1.00	EA	z	3.43	81327	×	0	
Breco 1	34164 0	90800		PENFORM QUAL		ANAL YSTS	0 1 2 N	٨	1.00	EA	2	1.50	B 1006	<	°.	
MIPCC 1	34167 A	00000	_	CABLE	-0	0-352649-1	ž ::	۵	1.00	EA	z	4.70	B1327	×	°.	
MIPCC 1	34167 G	001100		CABLE P/N		10-352649-1	211N	٥,	1.00	E >	z	.70	82322	<	8.661	

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MIPC	LABOI	BOR STANDARD MASTER FILE	TER FILE			./60		A-E0.	168~HM	A-E0468-WW3-MX-290	PAGE	<u>.</u>	
RCC FAC CTL	J OPER	OPERATION DESCRIPTION	RIPTION	ติซั	MILL SDE F	SHILL OCCUR	COUNT	STD	STD HOURS #	LAST OPER	A/A CO	FLOW	
WYPCC 1 34179 A	A COMOS	FILTER SWITCH	481695	1 10%	<u>}</u>	1.00	EA	2	1.52	B1292	×	0.	
MTPCC 1 34179 G	C COMOS	QUAL AUDIT SWIT	T 481695	004N	۵	1.00	EA	Z	1.17	80167	<	0	,
#TPCC 1 34287	A COMOS	HARNESS 42440	TF 33		۵	1.00	EA	2	8.71	88183	×	o.	
WTPCC 1 34287 G	C 00805	QUALITY AUDIT			۵۷	1.00	EA	z	2.00	85149	<	0,	1
-	A COMOS	CABLE P/N	N 578131	SOSN	٥	1.00	EA	z	3.45	82184	×	٥.	
1 34324	G CORDS	TOR CABLE		300	ργ	1.00	EA	z	1.00	81255	∢	ó	
MTPCC 1 34327	A 0.0M05	ACT GRP 1 14:	1435-663089	X 900	*	1.00	EA	z	5.71	80209	×	•	
MTPCC 1 34327	GOMOD	ACTUATOR 1433-663089	663089	Neoc	*	1.00	EA	2	1.50	83260	<	•	
MTPCC 1 34333	A 0.01105	BOX & CABLE	978130	X 80 C	۵	00.1	EA	2	3.45	80167	×	°.	
MIPCC 1 34333	50M00 D	CABLE 4 BOX	978130	M100	70	1.00	EA	æ	1.67	80217	×	•	
; -	A COMOS	CLUTCH PACK	42102R110	N200	(1.00	EA	z	19.59	80208	×	•	
MTPCC 1 34510	S0#00	CLUTCH PACK	42102R110	M 100	*	1.00	EA	2	6.60	.69 80209	*	°.	
MTPCC 1 34512	4 00M05	*	1436-543054		٨	1.00	EA	3	5.13	88210	×	°.	
MTPCC 1 34513	A COMOS	ACTUATOR P/I	P/N 701000	405E	*	1.00	EA	ш	1 97	84152	¥	•	
MIPCC 1 34522	\$0000 V	ACT GRP 1 14:	1433-613187	0 0 5 N	*	1.00	EA	×	5.42	80167	¥	o,	
MTPCC 1 34522	001100	TOR ACTUATOR 14	1433-613187		*	1.00	EA	z	1.15	#8258	¥ ,	8.661	
MTPCC 1 34544	A 001105	ACTUATOR 143	433-613523	***************************************	**	1.00	EA		5.86	84124	¥	•	
MTPCC 1 34544 G	80800 0	TOR ACTUATR 143	1433-613523	002N	٨	1.00	₹3	2	1.13	80167	₹	0	,
#TPCC 1 34549	Į		P/N 625222	10N	>	1.00	E Y	.	8 .00	#2044	u.	o,	
MTPCC 1 34549	COMOS	PRE QUALITY AND	ANALYSIS	=======================================	S	1.00	EA	z	1.50	81332	×	° .	
MIPCC 1 34642	A GOMOS	ACT 54	541216-1-1	007N	¥	1.00	EA	z	4.36	80208	×	o,	
MYPCC 1 35008	A 001605	SERVO 669777-361	7-361	302N	> ©	1.00	EA	w	8.02	B3057	ı	°.	
MTPCC 1 35008	200000	GUAL ANAL 60	669777-361	M 100	6 0	1.00	EA	z	3.22	80209	¥	•	
MTPCC 1 35009	A 00406	MIR & DRV	684244-31	M 100	X	1.00	EA	z	7.98	80208	¥	o.	
MTPCC 1 35009 G	00M00	MIR & DRIVE 68	684244-31	303W	*	1.00	EA	z	2.00	83056	×	° .	
MTPCC 1 35018	00000	DRUM & BRACKET	669179	212N	8	1.00	EA	z	1.00	82345	∢	°.	

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		PAGE	A/A CD	ī	×	×	•	4	×	×	×	×	×	×	×	×	¥	∢	×	×	×	I	×	I	×	¥	×	¥
		_	OPER																									
		-#X-290	LAST C	83078	81140	86183	83346	83050	83028	83062	81140	81140	81140	80208	80208	87078	80208	81220	84147	80208	80208	83057	80208	80208	84124	84124	84124	84124
		A-E0468-MM3-MX-290	STD HOURS #	8.02	3.22	4.50	99.	1.00	3.82	9.34	4.47	3.81	4.38	3.92	2.49	1.52	3.47	1.50	4.36	4.12	2.80	8.02	0 4 0	4.38	3.82	3.62	3.89	3.62
		A-E0	STO	w	2	z	z	z	z	w	z	2	2	z	z	z	z	z	, w	2	2	w	z	2	w	w	w	w
<i>e</i> :			COUNT	EA	EA	EA	4	EA	4	EA	EA	EA	E	Ę¥	ĘŽ	EA	E.	EA	EA	EA	Ę	E.	EA	EA	EA	EA	£A	EA
	9	6/60	SKILL OCCUR	1.00	1.00	00.1	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	4.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
			JEL FA	>	>	٨	۵	٨	≥′	/ *	` `	}	<u>۲</u>	> G	>	٨	> 38	8	٨	8	>	<u> </u>	>	> 25	> 8	8	>	>
			S S	302N	106N		3118	302N	NIOE	3035	N90	108N	106N	MC00	007M	_	007N 1	07M	405E /	M100	007M	3116	N 100	007N				
		w		ñ		1133			-		•••	-						-				١	8	00 100	RESISTOR	RESISTOR	RESISTOR	RESISTOR
		1 5 11	T 10M		7-54		-887	P8-1A	P/N 4002	16724-1A	18784-1A	18782-1C	18782-10	AG9680	MGS 880		010		140-	89288-04	99219-04	1-18			•	•	æ •	4
		LABOR STANDARD MASTER FILE	ON DESCRIPTION	68977-541	669777-541	166495-1	P/N 168488-1		2	UATOR > 167	187	167				7CH 481695	043492-010-01		P/N 38140-7	8		816418-1-186		-0800-596	MOTOR	MOTOR	MOTOR	MOTOR
		DARD			RVO	BLE		_		TUAT	5	¥0	TUAT					e a	*	z	Z TOR	Ψ,	NAVL		UP NO	DROUE	TORQUE	SROUE
		OR STAR	OPERATI	SERVO	TOR SER	REP CAB	CAB!.	SWI TCH	20.0	O/H ACT	ACTUATO	ACTUATO	TOR ACTUATOR	PUMP	PURP	1#2 H/0	404	SOR PUR	ACTUATOR	CAPSTAN	CAPSTAN	SERVO	QUAL ANAVE	MTR GEN	J-79 TORQUE	J-79 TORQUE	J-78 T	J-78 TO
		ĽYB	NA CA	OGMOIS	COMOS	00400	00400	COMOS	COMOS	00M05	OOMOE	OCHOE	80800	00000	\$0#00	91800	COMOD	00000	00000	00M05	001100	80400	001100	00405	80#00	SOMOS	SOMOO	\$0 # 00
			70	4	O	<	ø	U	<	<	G	′ ∢	ø	<	ø	<	<	ø	<	<	ø	<	o	~	<	<	~	4
e dilect			ST.	35019	35019	35022	35022	35048	35089	35496	34096	35097	35097	35356	38338	35503	35508	35508	37649	37713	37713	37730	37730	37731	38667	38663	38664	38665
	•		MCC FAC	-	-	-	-	-		-	-	-	-	-	_	-	-	~	-	-	-	-	_	-	-	-	-	
1		MIPC	Ö	MTPCC	MIPCC	MTPCC	MTPCC	arpcc	MIFCC	MIPCC	MIPCC	MTPCC	MTPCC	MIPCC	MTPCC	MIPCC	MTPCC	MTPCC	MIPCC	MIPCC	MTPCC	#1PCC	MTPCC	MTPCC	BTPCC	MTPCC	MIPCC	MTPCC

#TPC		LAB	BOR STANDARD MASTER	TER FILE		50	70	A-EC	468-MA	A-E0468-MM3-MX-290	A d	PAGE 17	
ACC FAC CTL	70	OP ER	OPERATION DESCRIPTION		SKILL CODE FA	FACTOR (COUNT	STD	STO	LAST	OPER A/R	FLOW	
MTPCG 1 38667	۷	OOMOS	J-79 TORQUE MOTOR	TOR & RESISTOR	>	1.00	4	w	3.82	84147	×	۶.	
MTPCC 1 38668	<	OOMOS	J-79 GENERATOR	8680691P1	E	1.00	£ >	2	1.40	82016	×	°.	
MTPCC 1 38697	<	80M00	U-78 SWITCH	874C621P1	۵	1.00	EA	w	2.21	83308	×	°.	
WTPCC 1 38697	0	BOMOG	J-78 SWITCH	874C621P1	٨٥	1.00	EA	2	1.00	83187	×	°.	
MTPCC 1 38698	∢	OOMOG	J-79 SWITCH	874C324P2	٥	1.00	EA	w	2.16	87211	¥	٥.	
MTPCC 1 38698	o	0.018.05	J-79 SWITCH	874022482	٨	1.00	EA	2	1.00	83008	×	°,	
MTPCC 1 38699	<	SOMC O	J-79 SWITCH	3110894602	۵	1.00	EA	2	2.50	81276	×	°.	
MTPCC 1 38699	O	0.0MOS	J-79 SWITCH	3110894P02	٨	1.00	E A	2	1.00	83062	×	°.	
WTPCC 1 38700	<	0.3MOS	U-78 SELTCH	578C380P3	۵	1.00	EA	w	2.25	83308	×	°,	
MTPCC 1 38700	v	SOMOO	J-78 SWITCH	578C360P3	٨	1.00	4	2	1.00	8 308 8	×	٥.	
MTPCC 1 38701	<	COMCO	J-79 SWITCH	5170870003	٥	- 00	EA	2	2.75	83027	×	٥	
MTPCC 1 38701	o	COMOS	J-78 SWITCH	SITOBTOPOS EGT	۵	1.00	EA	2	1.00	82331	×	0,	
MTPCC 1 39602	°	00000	ACTUATOR	# : :	>	1.00	EA	2	8.48	81332	¥	0,	
MTPCC 1 39502	0	COMOS	TDR ACT 544544-2-3	.2-3	8	1.00	EA	z	2.00	85010	∢	°.	
MTPCC 1 39614	°	00000	ACT	601000-05 007N	<u>×</u>	1.00	EA	2	2.81	80211	×	°.	
WTPCC 1 39614	o	00000	QUAL ANAL ACT	206N	٥	1.00	. 43	2	1.50	82154	<	°.	
MTPCC 1 39706	•	00000	SERVO 199	1990743-2A 106N	8	1.00	EA	z	18.38	81140	×	°.	
MTPCC 1 39706 G		001100	SERVO QUAL A 15	199074312A 007N	8	1.00	EA	2	1.80	80211	×	°,	
WTPCC 1 39878	•	00M00	ACTUATOR	113538 305N	>	1.00	EA	7	3.23	80211	×	٥.	
MTPCC 1 42089	0	00000	O/H FF TRAMS 8	BTJ62GBA3 208N	C1	1.00	EA	w		82233	×	0.	
WIPCC 3 42089 A		0 C M 3 O	TST FF TRSM BT.	STJ62GBA3 208N	C1	1.00	EA	w	8	82280	ي	٥.	
MTPCC 1 42089 G		001100	F/F TRANS BTJE	STJ620BA3 201M	CT	00.1	E.A.	Z.	1.25	82044	x ,	°,	
MTPCC 1 42925	0 4	OCMOS			&	1.00	EA	w	4.53	84161	×	°.	
MTPCC 1 42925 G		OCHOS	CONTROL 1776286	5 202N	> \$	1.00	EA	z	. 76	B 2034	×	٥.	
MTPCC 1 44447 A		00800	O/H FF TRNSM 91	9121-21A1	C1	1.00	EA	z	5.92	85045	¥	°.	
MTPC: 3 44447 A		00.000	TST FF TRNSM 91	9121-21A1	CI	1.00	€À	z	1.03	85045	×	°.	

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MTPC				LAB	LABOR ST	Ž	ANDARD MASTER	¥	STER FILE			09/30	ĕ	A-E(046B-MM	A-E0468-MM3-MX-290	PAGE	8		
RCC F	FAC	12 N	פר	OPEN	OPER	RAT	ATION	DE S(DESCRIPTION	νõ	SKILL	L OCCUR	COUNT	TYPE	STO	LAST OPER REVIEW IND	18 A/R 10 CD	FLOW		
MTPCC	7	44447	ø	00000	F / F	4	TRANS	ä	9121-21A1	20 1 N	CT	. 00	EA	2	. 30	82044	×	٥.		
MTPCC	4	45348	<	ODMOS	H/0	4		S	TRANS 9117-16A1	208N	C 1	1.00	EA	w	9.12	82231	٠.	٥.		
MTPCC	4 6	45348	<	0 1 40 0	151	#	2 4	38	TRNSM 9117-16A1		C _T	1.00	EA	z	. 76	85045	×	°.		
MTPCC	*	45348	O	0 0 M 0 S	1/1	a a	TRANS	-	B117-16A1	201N	CT	1.00	EA	2	1.79	82044	×	٥.	ļ	
MTPCC	-	45362	<	COMOO	N/O	u.	TRANS	ι	STJ#2GBK3	208N	13	1.00	EA	w	7.48	82231	بر	°.	~	
MIPCC	8 4	45362	<	0.000	151	4		3	TRNSM STJ82GBK3		c,	1.00	EA	2	.87	85045	×	o,	<u>~</u>	
MIPCC	4	45362	O	90M05	1/3	78,	TRANS		STJS2GBK3	201N	CT	1.00	EA	2	.75	B 204¢	æ	°.	\neg	
MTPCC	-	45387	<	OOMOS	¥/0	a.	TRANS	Sis	81JBOGASS	208N	CI	1.00	EA	E	4.30	82231	ب	0.		
MTPCC	97	45387	<	01460	121	ü		200	TRNSM STJBOGASS		C.	1.00	EA	2	. 76	85046	¥	o,		
MTPCC	4	45387	ø	SOMOS	F / F	T.	TRANS	1	BTJBOGASS	20 1 N	5	00.1	EA	*	8	# 2044	×	°.		
MTPCC	4.5	45389	<	80%00	H / 0	14		200	TRNSM STJSOGAS4		5	- 00	EA	z	4.20	85045	×	o,		
BIFCC	45	45389	<	01200	181	*	TANSA		81JBOGA54		C1	1.00	EA	2	. 76	85045	×	ō,		
MIPCC	4 5	45389	o	0.0805	TRAN	188	SMITTER		81JBOGAB4	3041	Ç	1.00	EA	z	. 80	83088	×	o,		
MTPCC	48	48371	4	90000	H/0	1	TRA	5	TRAN STUGEGROS	20BN	5	1.00	EA		6.07	82219	7	0		7 04
MTPCC :	3 48	48371	∢	01400	181		T BES	3	TRNSM BTJ8208C3		5	00.1	EA	2	.87	85045	×	o,		·
MTPCC	- 48	48371	o	00M05	F / F	TR	TRANS	-	#TJ62GBC3	201N	CI	1.00	EA	.2	1.34	82044	*	0	~ ;	
MIPCC	- 48	48451	4	00000	H/0	11	TRANS		81J50GBM5	208N	CT	1.00	EA	w	4.30	. 82231		¢.	_	0
MIPCC :	7	48451 /	<	0.040.0	121	4		-	TRAN STUBOGBMS	208N	C1	1.00	EA	w	.78	82231	J	°,	Λ ~	o i
MTPCC	18	48451	U	00000	1/3	7.87	TRANS	1	RTUSOGBINS	201N	CI	1.00	EA	2	. #6	82044	×	0	<u>ب</u>	
MIPCC	48	48561	<	00M00	H/O	¥.	TRANS		9115-16C4A	308N	CI	1.00	W W	w	6.07	82231	٠	٥.		
MTPCC :	3 48	48561	<	01400	181	*	TRNA	35	TRNS# 9115-16C4A		5	1.00	EA	2	1.03	85048	¥	°.		
MTPCC	48	48561	o	90800	F /F	TRA	TRANS		\$115-16C4A	20 1 N	5	1.00	EA	2	1.20	82044	×	0.	- \	
MTPCC	48	48562	<	COMOO	H/0	4	TRAN	5	9115-1601	208N	12	1.00	EA	w	7.08	82219		°,		
MTPCC :	3 48	48562 /	<	00810	121	4	TRNS	3	TRNSM 9119-1801		CT	1.00	EA	z	1.03	#504B	×	°.		
BIPCC	87	48562	o	50#00	F / F	TRA	TRANS	=	9115-1601	201N	Ç	1.00	EA	z	1.20	82044	×	Ó		
MIPCC	1 48	48563 A	<	00M00	H/0	u.	TRAN	6	TRAN 9115-16C1A	208N	C1	1.00	E.A	w	6.07	82231	ب	•		

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T PC		۲	BOR STANDARD MASTER	RO MASTER FILE			7/60)		2	
RCC FAC	CTL NO	S OPEN	OPERATIO	OPERATION DESCRIPTION		SKILL	L OCCUR FACTOR	COUNT	STO	STP HOURL	LAST OPER	A/R CD	FLO HRS	
MTPCC 3 485	48563 4	01#100	151 FF TI	FF TRNSM 9115-16C1A		CT	1.00	EA	z	1.03	85048	¥	•	
MTPCC 1 485	48563 G	SOM00 4	F/F TRANS	S 9115-16C1A	201N	C1	1.00	EA	z	1.20	82044	¥	°.	
MIPCC 1 485	48564 /	COMOS	0/H FF TI	TRAN 9118-1681A	208N	C1	00.1	EA	ш	6.07	82231	ي	°.	
MTPCC 3 485	48564	001110	151 FF TI	TRNSM BIIB-1681A	_	5	1.00	EA	z	1.03	85045	×	Ó	
MIPCC 1 485	48554 G	3 0011105	F/F TRANS	S 9115-1681A	20 IN	CT	00.1	EA	z	1.20	82044	¥	•	
-	45288 A	-	0/H FF TI	TRNSM 8115-1641/	_	C	1.00	EA	2	5.92	85045	×	0,	
-	48565 A	001100	TST FF TRNS#	ANS# 8118-16A1A	_	CT	. 00	EA	2	1.03	85045	×	°.	
MIPCC 1 485	48565 G	001100	F/F TRANS	S 8115-16A1A	20 I N	5	00	EA	2	1.06	82044	×	°.	
-	49169 G		ACT QUAL	QUAL ANAL 1008350	M 00 0	C	1.00	EA	2	2.00	80211	×	•	
_	48228 A	001100	REP ACTUATOR	ATOR	1 1 2 M	*	1.00	EA	2	4.04	#1339	×	°.	
-	49238 A	001100	ACTUATOR	P/N 841214-2	30 AN	¥	1.00	EA	z	4.22	83074	×	°.	
MIPCC 1 492	49280 A		ACTUATOR	P/N 540906-2-2	304N	¥	1.00	EA	z	4.22	#307#	¥	°.	
-	4941B A		ACTUATOR	P/N 489-00	208N	*	1.00	EA	2	3.49	82240	∢	٥.	
MTPCC 1 494	49419 G	COMOS	ACTUATOR	499-00	NOC	¥	1.00	EA	z	1.00	83263	∢	°.	
MTPCC 1 494	49420 A	SONOD	O/H ACTUATOR	ATOR 489-00-1	100	¥	1.00	EA	2	2.89	81140	×	ó	
-	49420 G	00800	TON ACT	1-00-087	100	*	1.00	EA	,z	1.80	81140	×	•	
MYPCC 1 494	49425 A	COMOS	ACTUATOR	38:40.	4 1046	۲	1.00	EA	z	4.34	80046	¥	°.	
MTPCC 1 495	49530 A	0000	0/H FF TB	TRNSM 9115-18C4A		C	1.00	EA	2	5.92	#504B	×	°.	
MIPCC 3 495	48530 A	00810	TST FF TR	TRNS# 9115-16C4A	_	5	1.00	EA	2	1.03	85045	×	°.	
MTPCC 1 49531	531 A	001100	0/H FF TF	TRNSM 9115-1601		10	. 00	EA	z	5.92	85045	¥	•	
MIPCC 3 496	49831 A	0.00	TST FF TE	TRNSM 8115-1601		5	1.00	EA	2	1.03	85045	×	٥.	
MIPCC 1 495	49532 A	001100	0/H FF TF	TRNS# 8118-18C1A	_	CT	.00	EA	2	5.92	85045	×	0	
MIPCC 3 495	49532 A	00110	1ST FF 16	TRNS# 9115-16C1A		<u>c</u>	1.00	EA	z	1.03	85045	¥	°.	
MTPCC 1 495	49833 A	80M00	0/H FF T8	TRNSM 9115-16A1A		5	1.00	EA	2	6.92	85045	¥	°	
MIPCC 3 495	49533 A	00810	TST FF TF	TANSM 9115-16A1A		01	1.00	EA	2	1.03	85048	×	°.	
MIPCC 1 495	49534 A	COMOS	0/H FF TF	TRNSE 9118-1681A	_	C1	1.00	W W	z	5.92	85045	×	e .	

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MTPC		LAB	BOR STANDARD MASTER FILE	MASTER FILE			./60		A-E0	468-MM	A-E0468-MM3-MX-290	PAGE	20	
RCC FAC	CTL	0 8 3 € 0	OPERATION	DESCRIPTION	ัดฉั	SKILL CODE F	FACTOR C	COUNT	STD	STO	LAST OPER	A/R CD	FLOW	
WTPCC 3	48534 A	0 1 20 0	TST FF TRNSE	# 9115-1681A		5	1.00	EA	z	1.03	85045	×	٥.	
MTPCC 1	49542 A	001100	CABLE	749022	032N	٨	1.00	Ę¥	z	8.00	80167	<	°.	
#TPCC 1	49542 G	80400	CABLE 749022	2 1F30		۵۸	1.00	EA	2	1.00	87042	×	°.	
#TPCC 1	49880 A	S CIMIO 0	ACTUATOR	541218-3-1	304N	٨	1.00	EA	2	4.22	83069	×	o,	
MTPCC 1	4955B A	90M00	ACTUATOR	544388-6-1	30 1 N	>	. 00	EA	z	9.03	83034	×	•	
BTPCC 1	49574 A	COMOO	ACT-GRP 6	541076-4-2	3400 S	٥	1,00	EA	2	4.87	80167	×	o,	
MYPCC 1	49582 A	001100	O/H FF	1906-003	208N	10	1.00	3		\$.07	82219		0.	
MTPCC 3	49582 A	01 800	TST FF THUSH	1 180-005-003	_	5	. 00	E.A	z	. 76	85045	×	<u>ہ</u> •	
MTPCC 1	49582 G	00400	TRANSMITTER	150-005-003	205N	2	1.00	43	z	2.00	82133	4	0.	
WYPCC 1	4961967	\$0 9 00	MOTOR DRIVE	658878-161	005N	>	. 00	EA	2	5.98	80274	<	٥.	
BTPCC 1	49677 A	00800	OVERHAUL ASS	ASSY679803-461	NCOL	~	1.00	EA	z	5.98	81112	4	•	
#TPCC 1	49697 A	00405	ACTUATOR	840808-4-2	3048	*	1.00	EA	2	4.22	83068	¥	°.	
#TPCC 1	48705 A	80400	SENSOR	548542-2-1	1 1 2N	*	1.00	EA	2	6.80	82030	∢	o.	
MTPCC 1	49717 A	00110	ACTUATOR	P/N540254-3	¥ 0 -	>	00.1	£	2	6.37	81036	×	٥.	
BTPCC 1	49720 A	20400	HARNESS CDS	697158	2	۵	1.00	EA	2	.01	81327	×	0.	
WIPCC 1	49816 A	COMCO	ACTUATOR	489-00-3	10 E	٨	1.00	E	×	3.80	81278	<	o,	
MTPCC 1	49816 G	S0M00	ACTUATOR	499-00-3	2 1 2N	٨	00.	EA	z	00	82362	⋖	•.	
BIPCC 1	49831 A	00000	ACTUATOR 720	720434-2 4 3	204N	λ¥	1.00	EA	2	3.80	82119	∢	°.	
BTPCC 1	49850 A	SOMOO	NAV LIGHT 40	40-0192-3	204N	>	1.00	EA	2	8 .00	82112	×	°.	
MTPCC 1	49851 A	80M00	ACTUATOR	540906-3-1		٨	1.00	EA	2	2.80	81311	∢	۰.	
MIPCC 1	49862 A	00100	ACTUATOR	32-7260-4		>	1.00	EA	z	3.50	8:350	∢	°.	
ETPCC 1	49875 A	00100	REPAIR HARNESS	SS 714973C		^	1.00	EA	2	. 30	84231	<	°.	
BTPCC 1	50061 A	00800	TEMP SELECTOR	R 757040-1	307N	٨	00 1	EA	z	4.00	83209	×	٥.	
WIPCC 1	50119 A	COMOS	0/H ACT 1433	1433-623304		۵	1.00	EA	z	5.30	84364	⋖	o,	
MTPCC 1	50123 A	00000	REPLACE HARNESS	ESS SWITCH		ρ	1.00	EA	2	3.00	84361	×	°,	
MIPCC 1	50124 A	00000	REPLACE HARNESS	ESS SWITCH		٥	1.00	EA	z	3 00	84361	×	•	

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MIPC	LAE	BOR STANDARD MASTER FILE		60	4	A-EO	468-MM	A-E0468-MM3-MX-290	PAGE	21	
ACC FAC CTL J	OPER	OPERATION DESCRIPTION	SKILL CODE F	FACTOR	COUNT	STO	STD	LAST OPER	A/R CD	FLOW	
MIFCC 1 SOIZE A	001100	REPAIR SOLENOID 2633047	۵	1.00	EA	2	1.00	87055	×	o,	
MTPCC 1 5C.27 A	00800	REPAIR SOLENDID 2633047	2	1.00	EA	z	1.00	87055	¥	0,	
MIPCC 1 50128 A	OCHOS	REPAIR SOLENOID 2633047	۵	1.00	EA	z	1.00	47055	¥	0.	
MIPCC 1 50182 A	COMOS	TEAT AZ HARNESS 6898451	٥	1.00	EA	z	8.33	87187	×	0.	
MIPCC 1 BOIBLA	OCMOR	REPAIR SOLES.OID 2633047	۵	1.00	E A	z	1.00	87055	×	0.	
RTPCC 1 SOIBL A	001100	ACT TRIM MIR 184495	۵	1.00	EA	z	2.68	85290	¥	٥.	
MIPCE 1 SOIB2 A	00110	HARNESS FUEL CTL 3 EA.	٥	1.00	EA	2	2.02	85296	∢	0.	
MIPCC 1 50197 A	001100	REP HARNESS 714873C	À	1.00	EA	z	. 43	87133	×	٥.	
MTPCC 1 S0202 A	80100	CONNECTOR NESTRY SW. 520480	٨	1.00	EA	z	1.34	# 5352	⋖	٥.	
-		O/H KC1386 CSD HARNESS	۵	. 00	EA	×	2.00	86279	¥	o.	
MTPCC 1 50277 A	COMOS	REPLACE HARNESS SWITCH	٨	1.00	E.A	2	3.00	87023	×	°.	
MTPCC 1 50324 A	OGMOS	REPAIR SOLENOID 2633047	۵	1.00	EA	2	1.00	87058	∢	ę.	
MTPCC 1 80325 A	SOMOO	REPLACE HARNESS SWITCH	۵	1.00	EA	z	3.00	87224	∢	ø.	
M PCC 1 50363 A	00400	OH PLA HOUSING & SWITCH	٨٥	1.00	EA	z	2.00	87323	<	°.	
BIPCC 1 50363 G	80800	QDR PLA SW 4 HSG	۵	1.00	4,	z	. 80	88231	<	°.	
#TPCC 1 50364 A	80400	OH PLA HOUSING & SWITCH	٥,	1.00	EA	2	2.00	B7323	∢	o,	
MTPCC 1 50367 A	CCMOS	O/H IGNITION LEAD	٨	1.00	EA	z	1.75	87343	<	°.	
MIPCC 1 50380 A	001105	TF41 SOLENO P/N 184327	>	1.00	EA	2	1.00	88064	<	o,	
MIPCC 1 SOSEIA	80400	TF41 SOLENO P/N 184327	×	1.00	£A	2	1.00	88064	∢	o.	
MTPCC 1 60390 A	80#00	TF41 SOLENOID VL 184327	>	1.00	EA	z	00.1	88112	∢	o.	
MIPCC 1 50391 A	00405	TF41 SOLEHOTO VL 184327	> 81	1.00	EA	*	1.00	88112	<	°.	
MTPCC 1 50385 A	20800	1F41 SOLENOID VL 184327	*	1.00	EA	z	1.00	88112	×	ó	
MTPCC 1 50396 A	COMOS	TF41 SOLENOID VL 184327	&	1.00	EA	2	1.00	88112	¥	°.	
WTPCC 1 50398 A	80400	LEAD P/N 10-380483-1	>	1.00	EA	2	2.68	88202	<	o,	
MIPCC 1 81105 A	80#00	O/H FF TRNSM BTJB5GKM2	5	1.00	EA	2	5.82	85045	×	°.	
MTPCC 3 61105 A	001800	TST FF TRNSM BTUBSGHM2	7	1.00	EA	z	76	85045	¥	o _.	

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LABOR S	ORS	LABOR STANDARD MASTER FILE		07/80		¥)	,	:	
OPER OPER	OPER	OPERATION DESCRIPTION	SKILL	OCCUR	COUNT	STO	STD	LAST OPER REVIEW IND	A 00	FLOW HRS	
00805 F/F	\$ / F	F/F THANS BTJBBGHM2 20	201N CT	1.00	EA	z	1.20	82044	¥	Ď,	
OOMOS OH T	P.	OH TF41 P M GENER 6866889	8	4.00	EA	z	6 .00	83027	¥	o.	
COMES ON TEAT	ĕ	F41 P M GENER 6889443	***	1.00	EA	z	9 .00	80211	¥	o.	
COMOS GENE	GENE	GENERICA IC	103N BY	1.00	EA	z	2.11	81093	<	o.	
COMES ACTL	AC TL	ACTUATOR 540806-2-2 30	304N AY	1.00	EA	z	(4,22	83074	¥	o .	
DOMOS ACTL	ACTL	ACTUATOR 840806-2-2 30	SOBN AV	1.00	EA	z	. 30	83277	<	٥.	
H/0 98800	H/0	O/H SENSOR 848702-2-1	1 10N BY	1.00	EA	z	4.78	82044	×	0.	
	ACT	ACTUATOR P/N 307240 30	304N AY	1.00	EA	z	4.84	83078	×	o.	
DOMUS MOTOR	MOT	P/N 658680-181	Y 88 X 11.1	1.00	EA	2	5.98	81332	×	0,	
COMOS ACT	ACT	16787-10 00	V 88 W 700	1.00	EA	2	8.92	80211	×	o.	
COMCS TF4	154	TF41 SOLEN VALUE P/N 184327	27 BY	1.00	EA	2	1.00	83022	×	•	
	154	TF41 SOLEN VALVE P/N 184327	27 89 Y	1.00	EA	2	1.00	83022	×	o,	
DOMOS O/H FF	9	TRAN 81162GBZ3	208N GT	1.00	43	w	6.07	82219	ىد	0.	7
00M10 151	S.	IST FF TRNSM BTJ@20823	CT	1 00	EA	2	.97	85045	¥	<u>۰</u>	رب. م
00M05 F/F	\$ / E	F/F TRANS 81J2G823 20	201N CT	1.00	EA	Z	1.25	B2044	×	e.	
OOMO'S CH	E C	TH TFAI P M GENER GP66889	184	1.00	EA	2	6.00	83027	×	o.	
OOKOIS REP	RP	REP ACTUATOR	IIIN BY	1.00	FA	z	8 46	81332	¥	0.	
H/O SIOMOO	0/1	O/H FF TRNSM BTJ82GCA3	CT	1.00	EA	2	5.91	85048	×	0.	•
121 (1100	181	IST FF TRUSH BIJ62GCA3	10	1.00	EA	2	. 78	89048	×	ف •	×2.9
OOMO! FLO	FLO	FLOW TRANSMT BTJ62GCA3 30	304N CT	1.00	EA	z	1 50	83118	4	0.	
	TAC	TOR 6862450	30 IN BY	1.00	EA	2	1.44	83022	<	0.	
CCMOS 0/F	10	O/H IGNITION LEAD	٥	1.00	EA	z	1.75	87322	<	o.	
	Ş	35940-3	VA M800	1.00	EA	2	20	80281	<	o .	
COMOS AC	¥	ACT GRP 2 152772+1 00	DOSN AY	1.00	EA	2	2.79	80167	¥	°.	
DOMOS AC	¥	152621	305N AV	1.00	EA	2	3.23	80167	×	۰.	
OOMOS ACT	ACT	GRP 1 1433-663089	*	- 00	EA	z	5.71	84138	¥	0	

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MTPC		LAE	LABOR STANDARD	STANDARD MASTER FILE			09/3	c	A-E0	468-MM;	A-E0468-MM3-MX-290	PAGE	23	
RCC FAC	CT. NO	U OPER	0	ERATION DESCRIPTION		SKILL	SKILL OCCUR	COUNT	STO	STD HOURS F	LAST OPER REVIEW IND	A/A CD	FLOW	
MIPCC 1	94202 A	1 001105	ACT GRP 1	1433-863089		*	1.00	Ę	z	5.71	84138	¥	°.	
MTPCC 1	94226 A	COMOS	ACT GRP 1	1433-663089	006N	*	1.00	EA	z	5.71	80209	×	0.	
MTPCC 1	94227	N OOMOS	ACTUATOR	1433-613187		*	1.00	4	2	5.71	84124	×	٥.	
MTPCC 1	10096	COMOS	ACT	31970-8	007N	*	1.00	EA	2	2.89	80211	¥	0,	
MTPCC 1	8 5011 /	SOMOO	ACT	687213	N 200	*	1.00	₹3	z	60.0	82133	×	٥.	•
MTPCC 1	95013	90800	ACT	30678-17	007 M	*	1.00	EA	2	3.45	80211	×	٥.	
MYPGC 1	95038 A	001100	ACTUATOR	P/N 6719	3048	*	1.00	EA	z	3.77	83068	×	0.	
MTPCC 1	98036	001105	ACT	35-277A	N 800	¥	2.00	EA	z	3.58	80219	×	٥,	
BTPCC 1	95036 G	2 00M05	TOR- GCI ANALYSIS	ALYSIS		*	1.00	EA	2	3.58	80208	ד	•	
MIPCC 1	95038 A	001100	ACTUATOR	GYLC B103	3042	*	1.00	EA	2	4.03	83068	×	o.	
MTPCC 1	95042 A	001100	ACT	152510	M 000	¥	1.00	EA	2	4.00	80219	×	0.	
MTPCC 1	95044 A	80800	ACT	38 1585 - 5	M 00	¥	1.00	EA	2	4.34	80219	×	٥.	
MTPCC 1	95052 A	001100	ELECTRO MEGH	OH ACTUATOR	303N	AY	1.00	EA	7	2.79	83078	×	0.	
MTPCC 1	85058 A	001100	ACTUATOR	4369-1	304%	*	٠. 00	EA	z	3.77	83069	×	• <u>.</u>	
MTPCC 1	95056 A	S0M00	ACTUATOR	541218-3-1	3048	٨	1.00	EA	2	8.18	#306#	¥	o,	
BIPCC 1	95056	30M00	QCI-TDR ACT	7 541218-3-1		٨	1.00	EA	z	1.13	8 1332	*	•	
MTPCC 1	95058 A	00000	ACT GRP t	1433-623304	2000	*	1.00	EA	z	5.30	80167	×	° .	
BTPCC 1	95062 A	90400	ACTUATOR	844388-5-1	3012	*	1.00	EA	2	9.02	83034	¥	0,	
MIPCC 1	95068 A	00800	ACT GRP 2	540158-4-2	N 900	¥	1.00	£A	z	2.79	20175	×	0.	
MTPCC 1	95068	CCMOS	ACTUATOR PN	N 540158-4-2	204N	*	1.00	EA	2	1.83	82105	¥	o.	
MIPCC 1	95078 A	80800	ACT	84106-4-2	X 000	٨	1.00	EA	z		80219	¥	o,	
MTPCC 1	95075 G	001105	VALVE P/N	V 321558-4-1	100	¥	1.00	£ }	2	1.60	B 1290	×	°.	
MTPCC :			ACT	544060-2-1	X 800	*	1.00	EA	2	4.00	80219	×	°.	
MIPCC 1	95088	. 00MOS	ACTUATOR	544080-2-1	4028	Y	1.00	EA	2	1.50	£4048	4	•	
MTPCC 1	95087 A	COMOD	ACTUATOR	644020-12-1	3018		. 00	EA	2	9.03	B3034	×	o,	
STPCC 1	95088 A	00800	ACTUATOR	544288-4-1	3018	*	1.00	EA	z	9.03	83034	¥	o .	

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; } APPENDIX B EARNED HOURS REPORT, PROJECTED, 1988

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APPENDIX C

ENGINEERING NOTES: POTENTIAL IMPROVEMENT OFFORTUNITIES

ENGINERRING NOTCE PIO # DATE RCC SFF. NJ PA 532 440-1 CC #4 MATPE 5360003792469 2011 warg size string causes damage to gear & get what \$120.00 PCN 30033A PN5455& ruted from CSD chip CC#5 EPCN 34107A PN 54552 from supply require a thermo test in oil. The operator places the switch in 61. orl at 275 to 300° then waite 35 to 45 minutes until switch turns on between 330 to 350. The heater is turned off and again the operator waits to to 15 moments huntel the switch turns off must by 300: If there is a doubt on either lemit the switch is again run through the On a good day the operator can test: 9 cables. On a bad one only three or four. The equipment P92418 was made here. It contains 6 gts of allowed to cool. It also is It also uses pannel light to signal on i Suggested improvement: 1) reduce supe of oil contounar to 1 gt or less. ? attach on "light to bigg er 3) develop equipment so that mulipal cables could be tested during cycle. Garings: reducing waiting is reduced by & = . 4 so faint or 87 hrs/year. 30033 A - 20/3 water - 801/yr 341074 - 30/ Justin - 120/14/2

IO # DATE

5-1-89

ful flow iransmittis operators knowled of - The usually work the same unto unless others become but.

Most operators work one one unit at a time except for problems or a special regulament.

The operator that is to give my information is extremely fast and has troughte generation to do same would Take are appraised to agreeded.

Torque motor tester out of kelter. can not start at a and get a good reading. Has been checked and is "Good" - Start past Zero.

Unit is to be getting new test stands to replace the (5) units now in 3801. The current test stands only test certain units and are inflecent. The new ones are support to be universal and faster.

This Flow 9. 200 achiadore 92 210

	P10 #	DATE ENGINEERING NOTES	RCC
	cc*2	5-3-88	ce
		Black Gu! need means of securing comprensator Hock.	
		ben alon from ful flow area have	
		been aware of problem for some time but could not any	
		one to Take action.	
		Recently a loose compensator black	
		caused a big problem. The block more inough so the	
		value was blocked. The	
		fuel could not be turned	
		Dehecked new from out to	
,		given back To Vender.	
150		REF - MAC ME CREIGHT	•
•	cc # 3	5-3 Parto removed som system	<u> </u>
		Example of problem caused by back render part.	; !
		bad rende part. Shop received bad ring	
		magnet (Venda park) they	
		the unit does not have a	
		egupment to do so. Park	! !
		as bad ones come in they	•
		are put aside and another	
		ASN UNIT ABOUT THIS.	:
		nor longer a problem 5-17-89	
د. فوقد ب	cc#4	Springer Commence in next of	ce
	/	Springs coming in out of spick - Too strong long	

operation (2) from test come over from MATE 3801. They return unite from test. They give each operators their rejected units and Talk to them obout why. they pick up completed units front the Tube - 9 ver back to 3201. Stated it took two because of moving cart through doors need sketch of areas envolved New Mfg effort is coming into Info estimated - 275,000 hrs over 4 years = 68750 HRS/MR = 33 - 40 Acr weeks/ ur need direction as to under to do with this new effort. Current MP = 65 people. New Most almost equal to surent leffort. WATPEC is to more To new area in the fall. Orrea now occupy ud by Blades. Special hand tools are kept in Cabret. They are unlocked during the day. The operator is to but his Tool Check in Cabrit when he uses the tool

.

RCC PIO " DATE NOTES MATPEC acuatan control tow most ACTUM OK. are removed from Valver 18210. They come to MATPCC on Carts. them by attaching web and placeing on proper shelf. The same operator, completes units when they are ready to go back to 210.0 Some actuator como from Supply 5-8-89 Some acuators we from supply ofher routed (as above). Same part Asie diferent PCN dependent on Rouled - Hick 1 exemple _12119T.R Rouled 7 Volum (94227 194220 145/2 5-8-89 MATPOR (APPIDEAD) Dender springs required in actuatoro slip-clutch type actuators are to long by from 30 to 16 as shown by "I" Superior thought they had all been UR'a but Chieve was about 12 in parts boy. Vender agreeded it was to long but it well be a long time befored new ones are due. Ined having end cut back to size int was sine badly-last languer, wring shape edge if oftring. Prot could shift down 10_PON. 95133 49555 95087 95111 97259 95086 95101 95062 95090-49864

SPRING PA 532 440-1 5 36 0003792469 CONT wrong size spring causes dan age to gear e gebrahaft \$180.00 PCN 30033A PN54552 Routed from CSD chops & PCN 34107A PN54552 from supply require a thermo test in oil. The operator places the switch in oil at 275 to 300° then waite 35 to 45 minutes until switch turns on between 330 to 350. The heater is turned off and again the operator waits 10 to 15 minutes huntel the switch turns of must by 300: If there is a doubt on either lemit the switch is again run through the On a good day the operator can test 9 cables. On a bad one only three or four. The equipment P92418 was made here. It contains 69ts of oil that must be healest It also uses allowed to cool. pannel light to signal on i Suggested improvements:) reduce supe of oil contounar to 1 gt or less. ") attach on " light to buy er 3) develop equipment so that mulipal cables could be tested during eyel. Savings: reducing waiting is reduced by & = . 4 so faint or 87 hre/year. 30033 A - 20/quarter - 80/yr

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UTN#	DATE NOTES	RCC
ccb	Motora removed from some actuation are considered exchange, No repair allowed. The motor has to be removed and ready to turn in befor new one can be or dered. This causes flow delay. PCN = 95131A, 95044A, 119851A	MATPCC
cc7 _{\$} 5	test equip is old, out dated, specific oc 4863 leak vil - no suplanemen parts are available. PCN 345 49A - school sand wed deleted - may be obvolete - check	
CE'S FS	Fart are ordered by operator filling out form for each fart, They are kicked up, Turned in to the 10, Parts are publical then deleved to operator. (acquator area) when full pits were replaced by mini kits parts were included that didnot need replacing and parts that were needed were not excluded.	
	card for each part required. cards turned in parts puiled, then activered to operator.	٠,
	testa bad it must be replaced not repaired yet replaced motor often needs repaired yet replacement wed not often needs repaired. WeD 13 morrest unit less high rejection nate. Tested often assy to	-

NOTES RCC PCN 35096A - Your-Damper Servo actuator is damaged by washing the Tail. Operator state of that cinit had to be totally reworked. 5-18 MATREChasa sub-unitthe battery shop - I is located in a seperate building just four wa-os. It is their responsibly to charge batteries. for all departments of OC-ALC as well as for air craft from the base. Certain air craft baterin must be checked & charued at preset intervals others only ÷, •, as required. They also keep Some air chaft bateries charced and ready for use ly an aircraft passing through. 5-18 The ful flow transmitters are tested in Bld 3108. I is located sust outside & 3001. all fine related test equipment is located in this building. Matrce's fire test stands are old and dre in the process of being replaced by two min test stande. The operators (two) evere knows able about the new test stands. They had been 1

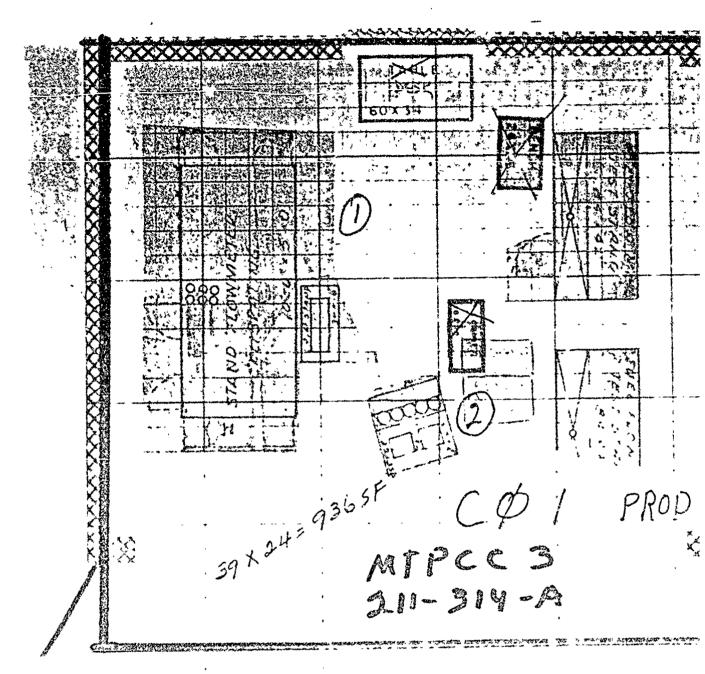
DATE PIO#	PIO SUBJECT & SUPPORTING DATA	RCC
4-28	PROBLEM WITH VENDER PART GEMPLATE ASSY = 403-025-001 20to 30% BAD PARTS - LEGS UNEVEN LOST TIME . 24	MATICC MAC CREW HI OPERATOR
4-28	:JG. FUEL FLOW TRANSMITTER () 9005 TO PAINT - NOT CALLED FOR IN WED.	MAJPEC
5-6	WENTHER IS COOL YET AIR DNDITION SYSTEM IS RUNNING. CAUSES AN UN CONFORTABLE WORK INC. CONDITION + EXTRA UTILITY	
5-2	H8451 & 45387 ARE REJECTED AFTER TEST & 80% 50% WCALABRATE TEST, 30% to CHANGE MAGNET.	li li
5-7	OPERATORS TAKE TOURNS GOING TO "BARN", UNCRATING, LOADING ON CART, MOVING TO CC AREA. AND PLACING ON SHELF. "BARN" IS ABOUT A BLOCK FROM 3001. TASK MEQUIRES ABOUT 2. HRS FOR HALF QUARTERS SUPPLY	
5-2 CC*/	9 USESTION # OC 86 1138-BY MAC MCREIGHT HAS BEEN APPROVED FOR 18 MOINTHS YET HAS NOT BEEN IMPLEMENTED. CURRENT METHOD - WORN THISELERS ARE DISCHARTED & REPLACED W/NEW. COST # 400, SULLESTED METHOD, DRILL & SLEEVE WORN IMPELARS WITH STAINLESS STLI COST ? (ON SILVER GULS)	

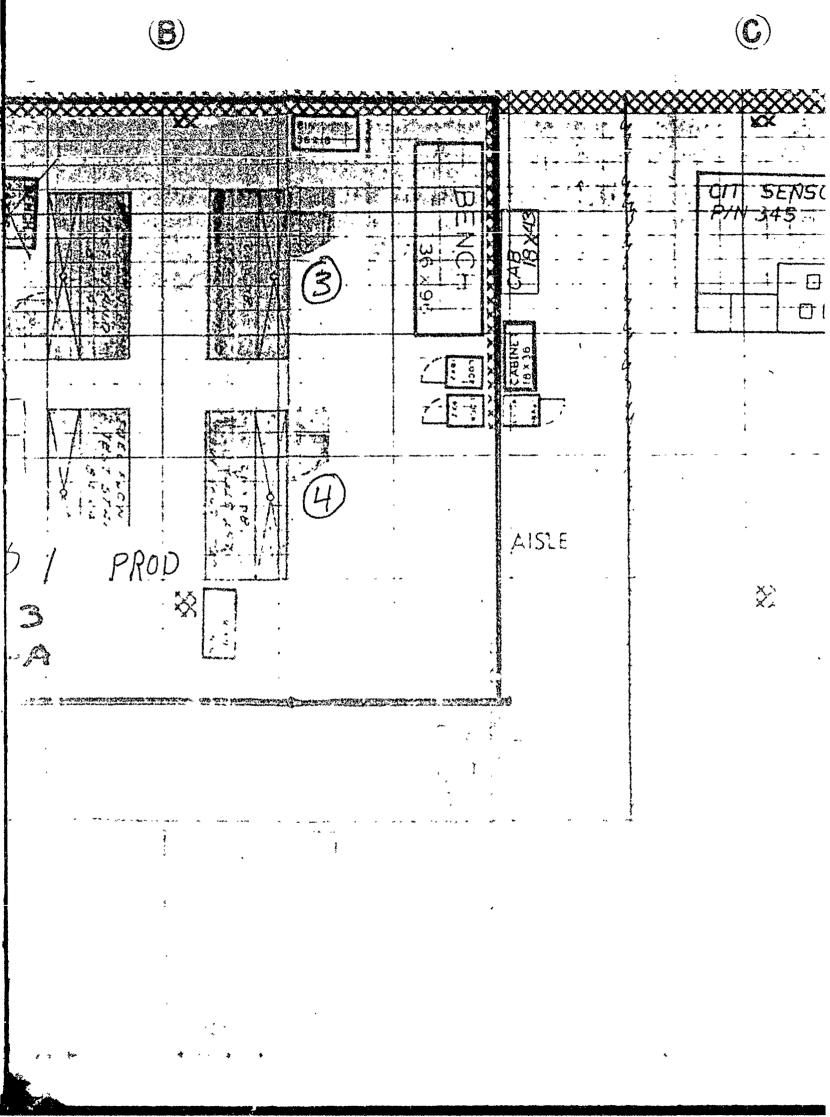
DATE consulted on what was needed. both for safty and function. perince as test operator, the ther about six months. It has been the practice to rotate the fuel flow operators to fill one of the test operators position.

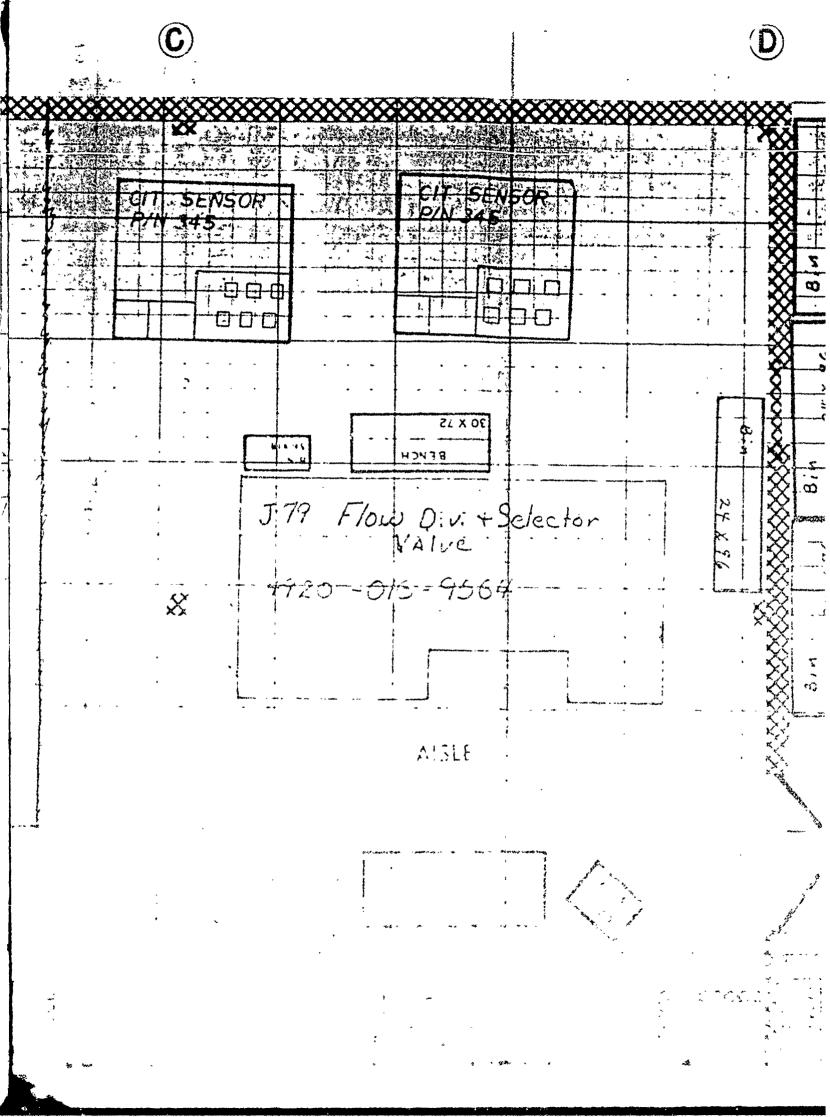
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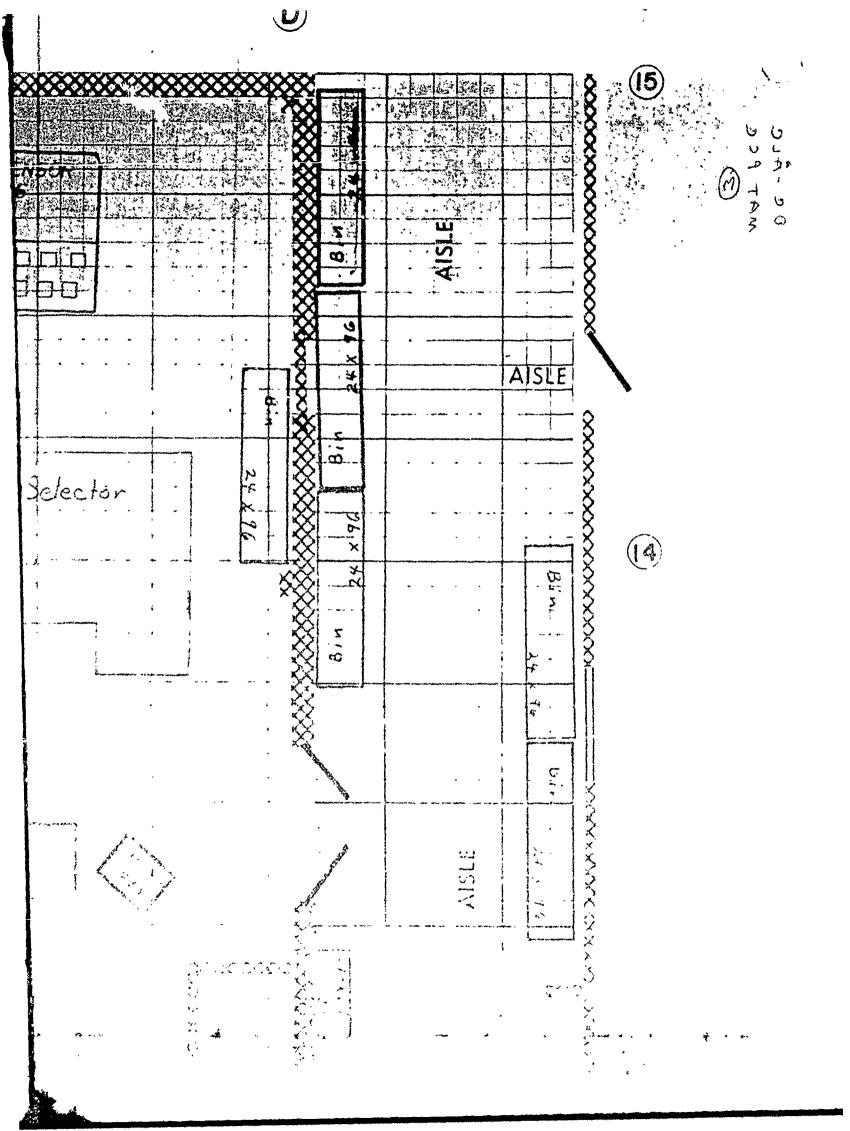












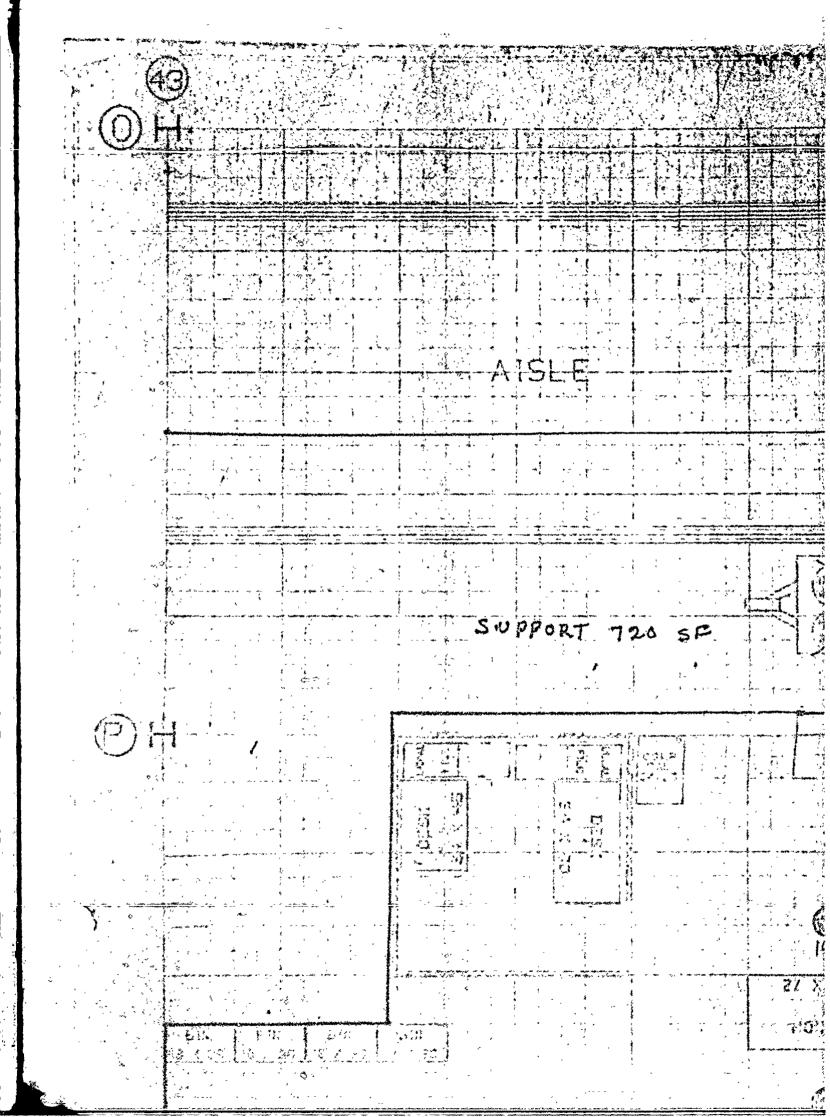
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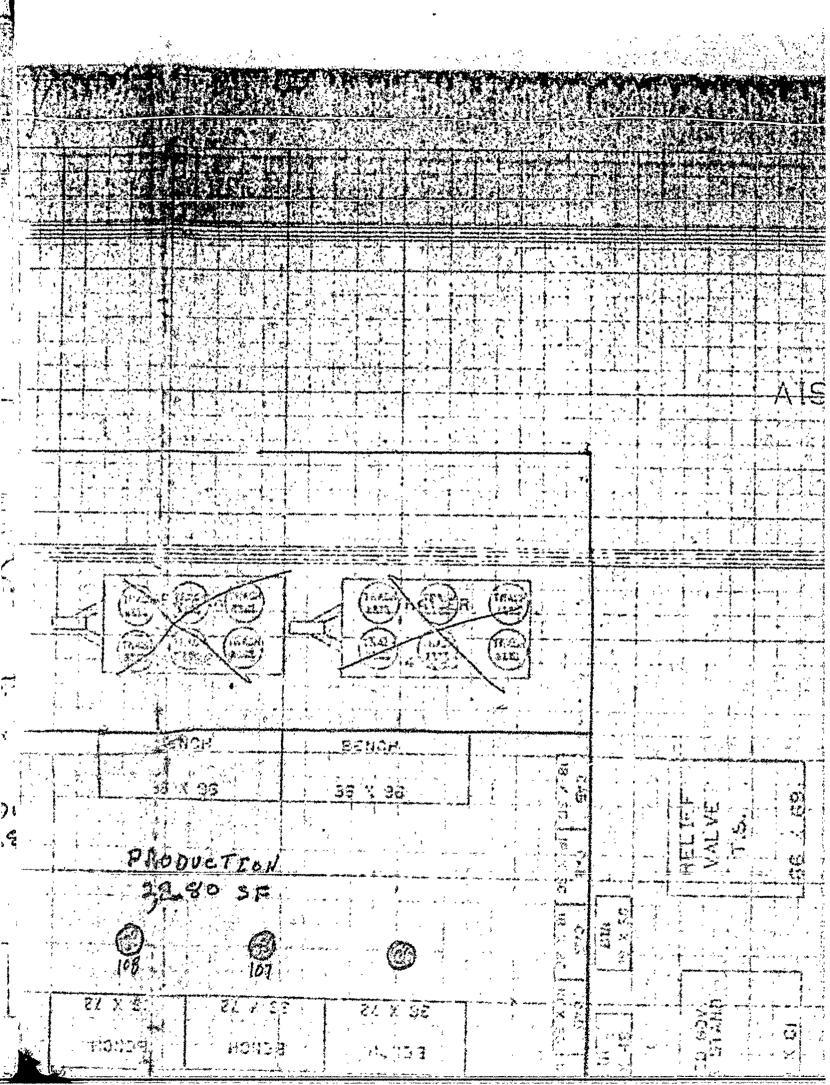
15 aug 1986 M.E.H.

15 aug 1986 M.E.H.

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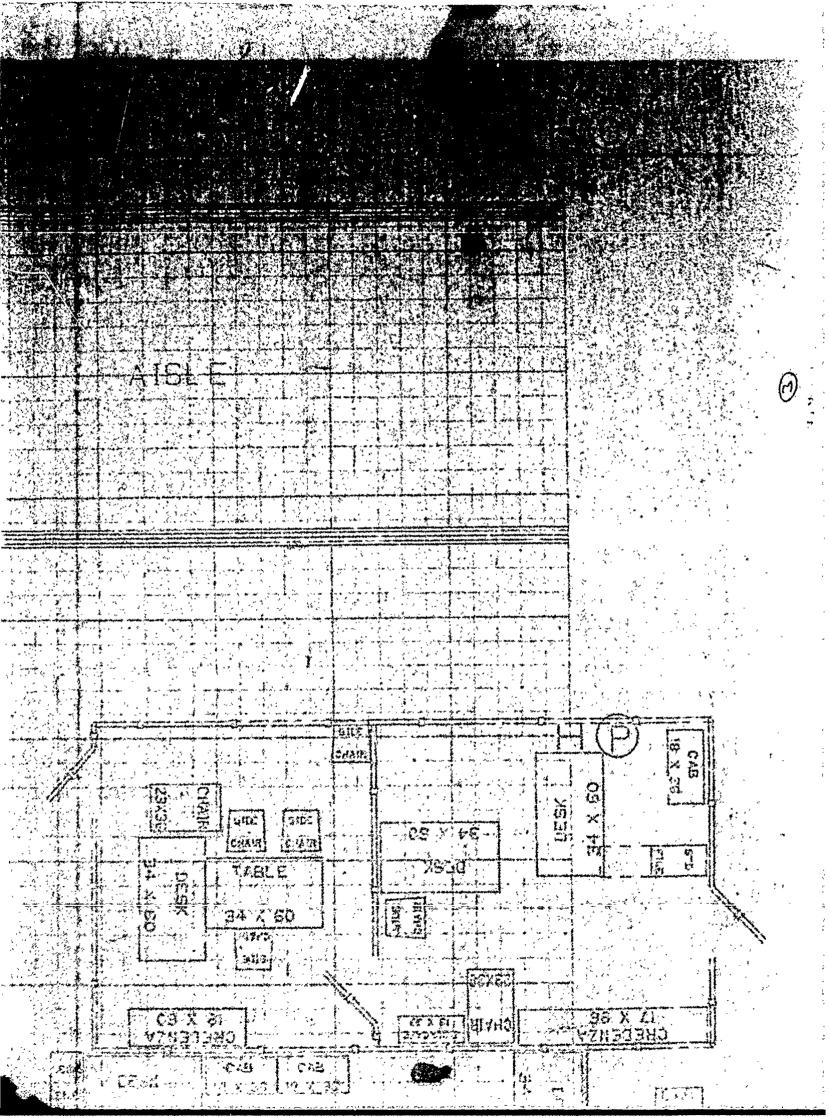
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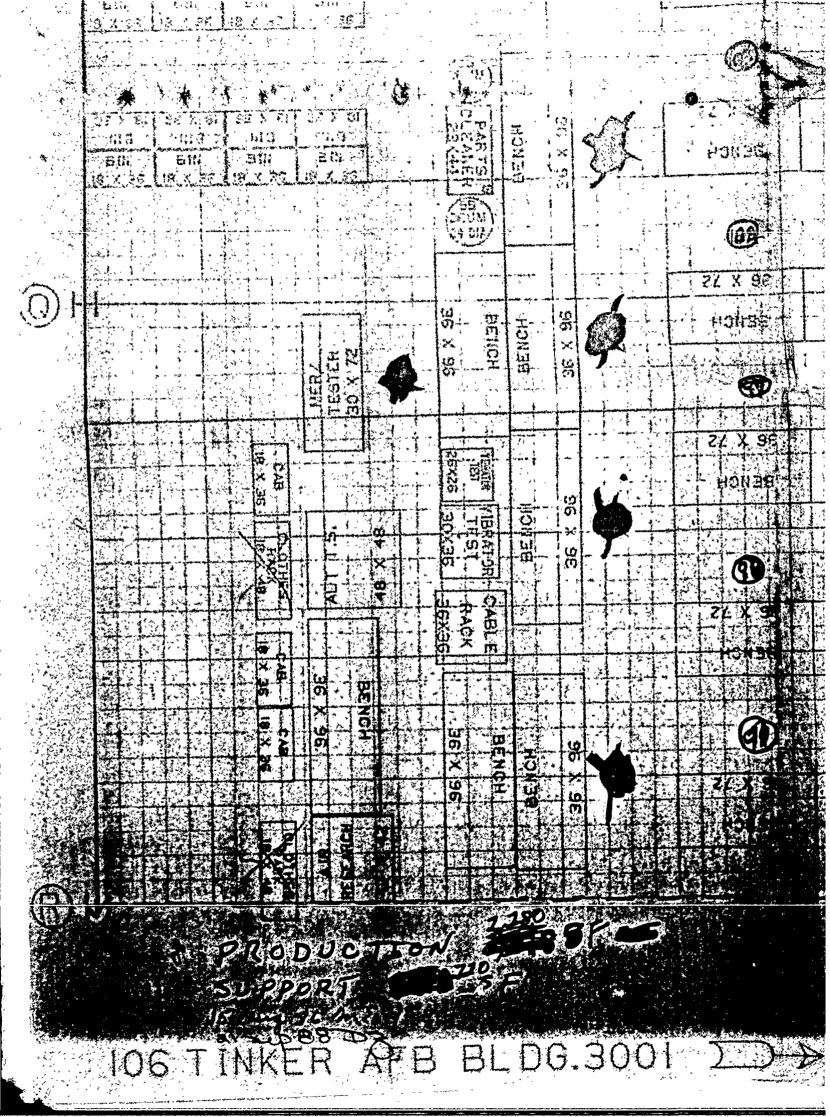




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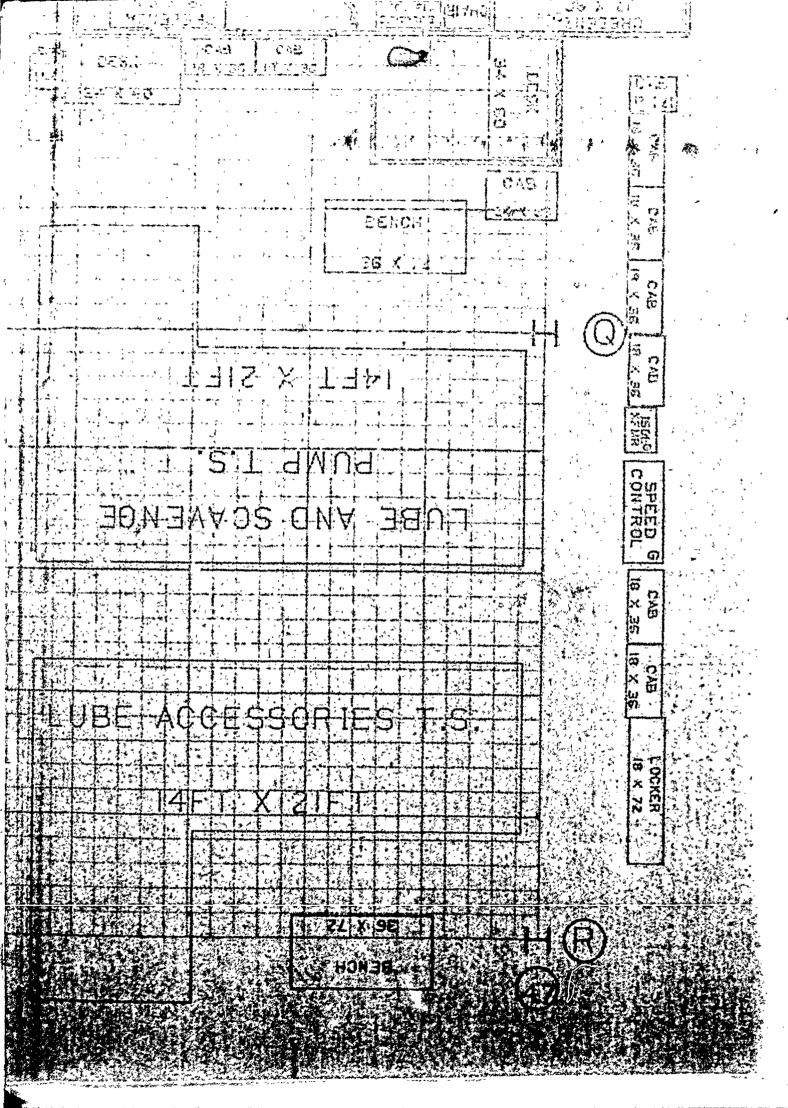




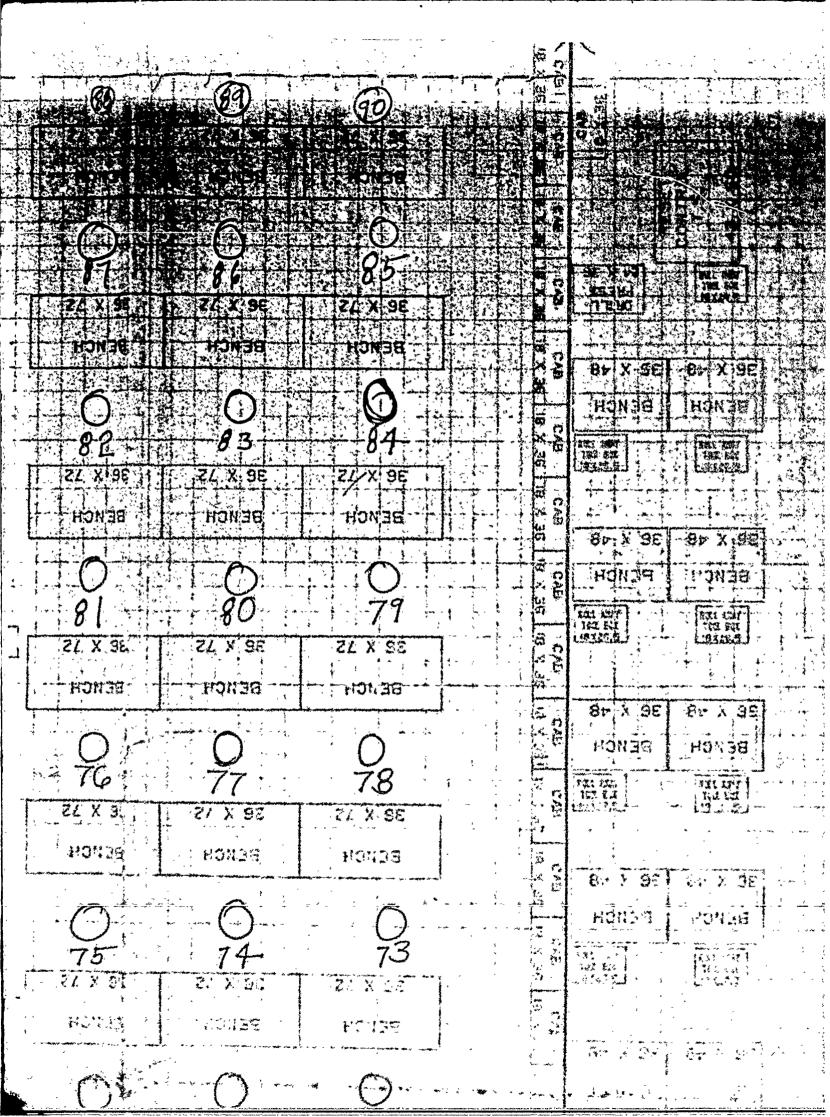
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